



SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE POLYPEPTIDES
ENCODED THEREBY

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<213> Homo sapiens

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acatggacac ttatacacgg atttttctca ataaaagtga cacc 104

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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gagcatatcc tccgttggaa ggaagaaaga agacaaacag cagcctgcat gcttttgaag 60
ctggactatc aacaaaggat cttctcaatc aattcaccac tagcaacaga atgcaggcgg 120
ttctcagaaa tggctcacia agaaacacaa aaaaaggntg tctgaangna aaancnagaa 180
aagggttccct tcnnnaaaaan gnaaatggan cnttnanent ttttnggggn gcagaagtgc 240
cacggnentn tnantgcggg taattnaaan agggncanaa cactttcttc aggccaccn 300
agggangttt tatattnccc atataaagan acaaattccc acantgtgcc ttccttgngg 360
tntntccaac tctttgccaa caagaggcca acccgggngg ggccccncc aggggaaaaa 420
aaccttttgg ggngganccc cttttgggca ntgccaangn ctttttgaca tttcaccggc 480
gggaagaga 489

<210> 46
<211> 358
<212> DNA
<213> Homo sapiens

<400> 46
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acgtcttcca ggcaccagga agaaatacga ccaacctccg taacaaatga gagaaacttc 120
acctgactgt gttttgtgca tttggnttat gagncgtttt aaaaacgtgt acttttactg 180
ctgcgttcag gttttcagcc atagaatatt ctagaaaaaa atagtataaa cattttattc 240
accgctataa ccttgaatgt gtagctgtgt tttttaaaaa aacatttttt tacaattgta 300
gaatatgtaa catgcctcca gaaacgtgcc ctaaacacaa atatataatt tggcaaat 358

<210> 47
<211> 177
<212> DNA
<213> Homo sapiens

<400> 47
gaaaagctga agatggtcag acctgggtggc acacacctgt aatgccagca cctttgtgag 60
gccaaggcag gtggatcgct tgagcccagg aattcaagac aggcctgggc aacacagcaa 120
gaccttgtct ctataaaaaa ataaaaaata aaaataaaaa taaaaaaaag atcagtc 177

<210> 48
<211> 536
<212> DNA
<213> Homo sapiens

<400> 48
gacgtctggg gagctcctgc nntanntnac actctggnag aacctatggc tcatgaatca 60

cccctttggc	ccaaggatga	gtacccacag	cagcaagctc	ttccattgga	aaccacgctg	120
aggaagacat	gggtcaagctc	tggcagcaga	tcaagctggt	atggcaagaa	ttcctgggtc	180
tgcgtcccca	gcatgtaata	tagaagatct	gggagtgggg	tcttgggtct	gtaatgtctg	240
tgatatggct	cctcacatct	tcttgtgtag	agtgtcatgg	ccaaaacagg	aataaccgtg	300
tttgcccttc	tgaattcccc	agtaatgagt	ctgaagctag	tctgaagcta	ccacagtcta	360
ttttaaggga	ttccataaca	tgtttgaatt	atatctatat	ggnagggact	ttcaatcagt	420
agccaagatc	tgntactaaa	attaaatncn	caatttaatt	tccacaagct	acatacctcc	480
cttcanaggc	ctgccaaaat	tnttaatgga	ggacaatgaa	agttcgtaac	cttctt	536

<210> 49
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 49						
gtgaggaact	gaaattgagc	acttgaatgc	ctggaaccac	atatccaacc	aatggcagcc	60
attgtcctct	caaagccggg	tcacttggtc	tcaagacact	ttatgtcgag	ccacagctac	120
ttcatgtact	gggagcacca	ctcctgaaga	agctgactca	gcttcaatgc	aaggaagaaa	180
gtctgactag	ttaggtggaa	catgggatct	gtaaagcatg	gtgctgtgcg	agaggtgggtg	240
gaatgcatgg	gcaaattgatc	tctggagact	ctagcaatca	ttccgaagtc	tgtgttcaag	300
cagtaacaa	acagcacact	cagtaaccag	tattcttgta	aagatggagg	atggtaatta	360
cattctgtga	ctag					374

<210> 50
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 50						
aggaaaggcc	acatgaagac	acacctagaa	tgtgcccgtc	tgcagccaag	aagaaaggcc	60
tcaccagaaa	ccaaccctta	ctggcacctt	aatcttggac	ttccagtctc	cagaactgat	120
gcagtagaaa	tgaggccatg	tgactctcca	cgctggagga	ggacaggcac	tgaggcttcc	180
gccagctcgc	tcttgcttgt	gtgatgcctg	cccttggaac	ccagccaccg	taccgtgagg	240
aagccaagca	gccacgtgga	aaggccatta	caggtgttcc	agccacagtt	ctcatggagg	300
tcccagctaa	tagctggcat	cagctgccag	acatcacacg	gtgagggaga	ctgcacaaga	360
ttctagcctc	cgccccctgga	tgctccaact	ttgaaccagc	ccacctcact	tgagtgccgc	420
agagagaatt	gagtattatt	gctgaactct	gccccaaagt	cagtttgtat	gcaaaatact	480
tcttccctta	ttttaaagt	ataacttttt	ggagagactt	ttttacacaa	caagtagata	540
atggaacaaa	tactacttat	gattttttgca	gagtaaatcg	gcttctcgct	tttcc	595

<210> 51
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 51						
gagattttca	aacctcagta	tgactgaaaa	tatacttcag	aaagtcaaga	cctgggccta	60
ggagtctgca	ttaaaaacac	tactctgggt	agagataaag	aaagggactc	tctgagatga	120
gggaaaagca	gtgggtttcta	atctgtgggt	cagagatctc	tgctgggatg	aagaatatgg	180
agggagaaac	aagagttatt	gtaaagggtc	tacaaagctc	tacgtatgca	aagcactatc	240
tatagactga	ataaataagt	cttgccact				268

<210> 52
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 52						
atatttcgct	ctgaagaaac	atcattagaa	ataaataaat	aaaattaaca	tataataacct	60

<210> 53
 <211> 419
 <212> DNA

<213> Homo sapiens

<400> 53

tctcaatacc	ttcacagagg	tgaagaagca	gcaaccaa	gaattagaca	gcaacatgat	60
tcctagagaa	tggcaagacc	aattcttcaa	ctacttcttc	agcatttctg	aaacatatgg	120
aagatggccc	attgtgctct	cttaattctt	tgataatctg	gacattgact	ttccattat	180
atgacctggg	cttgtgggca	tcattgtcata	atgcacctgt	tcagacatct	ccctgtacca	240
atatggatca	cttgaagaga	ctcctttgcc	tccatcaaaa	aggatacagn	tgtgtatctc	300
ttccattttt	gnttacagng	cctaaaatta	tttgagcagg	ttttcacctc	ttctctgaat	360
aaacacctta	ttagtcctta	aaangaaang	aaaaagggaa	aataaaaactt	ttaaatgca	419

<210> 54

<211> 450

<212> DNA

<213> Homo sapiens

<400> 54

ggncgaggca	gaaccaaacc	atggatacgg	gtcctttgct	caaattcttc	tcaatgaaga	60
ctctgtgatg	aagaggccac	ttccatttaa	aggcagcgac	acttagaaaa	tcacaggcat	120
taaaacttag	aagaggtcac	cttatccaac	gtcccagcca	gcacagccat	cctttcacag	180
catccatgac	attcagcctc	ctctcagaca	tgggaagatc	acctcttcat	gaaacagcag	240
attcttcaag	gataaggaaa	tggaggaaca	aagcagtga	gtaatctgtc	caaagcccaa	300
aagttgaatt	gttgaaactg	acatctgaaa	gcaagtagcc	tggcttcaga	gtatatgctt	360
ttaatcgctg	tggtatatac	tgctcttta	tatgtgataa	tatagtatat	ttattaagtt	420
attaaaagaa	acataagttt	ctttgttgct				450

<210> 55

<211> 172

<212> DNA

<213> Homo sapiens

<400> 55

ggactaagga	ccactaacia	cagatccaag	aacacatgta	atgcaaacca	ggtattcata	60
tgctcttgac	attttcaagc	ctaaagatca	agagccatca	tcttttacia	gagttgcagt	120
ttggtcttaa	cctccaaaaa	agaaacttct	aataaatact	atttccttct	gt	172

<210> 56

<211> 211

<212> DNA

<213> Homo sapiens

<400> 56

agagtttggt	gctaaacatt	taccagcaca	ccctaaagag	aggagaaaaa	aatatgtgaa	60
gaaaaagaaa	aaaggagaaa	tcaaagaaa	agaaagcaaa	aagagcatat	ttggatgtgg	120
aagaagaaaa	agacaagttg	aactgtctta	aattccagcc	catgaaagcc	ttcctttttt	180
taaataaagt	ttttgttttg	ttttggtctg	g			211

<210> 57

<211> 328

<212> DNA

<213> Homo sapiens

<400> 57

taccatgggt	tnttgaatnc	agcttngctt	tcacaaaaac	ccgatcatgc	tnggcaccct	60
aatttcaaat	ttccagcctc	cagaactgct	ccaagaaatg	gaattttatt	aaaagatgga	120
agaggaggat	atttgagaga	aggggaacta	cctaatactg	aaaactaata	cagtccagga	180
tacatagaag	atgatcaata	acacttatcc	aattctaaatt	accctatcag	caagtggaga	240
gttctctctc	gggagtgtg	ttttctttcc	tgccagtcag	ctctgtcagg	ttgaatagaa	300
agcgataaat	aaagaggaaa	agaattcc				328

<210> 58

<211> 208

<212> DNA

<213> Homo sapiens

<400> 58

gagttggttg	ttaaaaagag	cctggaatct	ccccgtctct	ctctggcttc	ctctctcact	60
catgtgatat	ctgcacttgg	aggctcctct	tctctttctg	ccatgaatga	aagcagcttg	120
agaccctcac	cagatacaga	tgctggtgcc	atgctctctg	tacagcctgt	agaccatgag	180
ccaaataaac	ctgttttctt	cacaaatt				208

<210> 59

<211> 334

<212> DNA

<213> Homo sapiens

<400> 59

catatctcaa	aaatcaagat	gaanccttaa	gctttctacc	cagatgttgt	gggaacttga	60
agacaaagtc	tcaaagagac	tccgttttgg	tcaacaatta	gcccttccac	atttggatcc	120
tgggccacat	gtggaataaa	agagttccag	aagaattctc	ccatgaaggc	attggaatgc	180
ttcaatacat	agttttgtgc	caaatctaca	ataatcttcc	caaaagaaag	actcttcagt	240
gttctggatt	tttcgggact	tntcttattt	tcttgtgcaa	catcttaaca	caaactagaa	300
taaagatgac	atataatcat	ctgcattcat	gaat			334

<210> 60

<211> 177

<212> DNA

<213> Homo sapiens

<400> 60

aaagctggtc	gttaaacatt	tactaaaaca	ccactggata	caagtgacat	catacaagat	60
ccagtcctctg	caaccactga	tctgcctcct	ccctctatgg	cgtcacctgt	ttggaacatt	120
tcattgtaaat	ggaaccatac	aagatgtgac	cttttgtgac	tggcttctct	cacttgg	177

<210> 61

<211> 381

<212> DNA

<213> Homo sapiens

<400> 61

ctgcaatggt	cctagagaga	agccagcact	cgccagatct	ttggccaccc	cgaggtgtcg	60
tgtgcataag	ggaagatgag	aggctggttg	acgcccaccc	ttcaccagtt	ttgtaaataa	120
caagctggcg	ccccagaacc	catccacagc	agctttttca	gtggcattat	gcattcgtgg	180
tgcaagcatc	cttactgtgc	ttcaatcagt	ggcttcagtc	gtggccggcg	cacactgatg	240
gagtttcttc	ctcgtecgcg	gtcatatttt	cctctttgca	tgtctgatga	cttttgatta	300
gatgcaggcg	ttgttcaact	tccctgttga	gttctgagta	tatttgcatt	cctattaaat	360
atccctgngt	tttgetctgg	g				381

<210> 62

<211> 141

<212> DNA

<213> Homo sapiens

<400> 62

gaaataaggg	accctggcat	ggatggagca	tgtgaaacta	tcaagaacag	tgaaatgttt	60
cagatttttg	ctatttgcca	gtttcgtttc	atgaatgctg	gcagaagacg	cctgaatcaa	120
agataaaggc	tgtttttact	c				141

<210> 63

<211> 581

<212> DNA

<213> Homo sapiens

<400> 63

atgtgcagcc	tgtcaccaac	accaggaagc	tcagagacgt	gccacctgga	aaggaaatca	60
gacaggagag	ctcagggtcg	aagtcggccc	ggcgcgctgg	agctccaagg	ggacaaatgg	120

agcccagggtt	caaccgcagc	cagggaggca	acgtctgtgc	acctgcaact	tcccatggca	180
ttgcccact	caatggtca	agaacctgcc	ctgtcctgct	tggggcccag	cattccatcc	240
tctgaaagaa	cacgagcgtc	cccacatgct	ccgtagggac	catcctgcct	ctgccctccc	300
cacttcacca	gaagaactcc	tcttcacctc	tctggggccaa	cttggcagca	actcctccgg	360
gaagccttcc	ttgtctctcc	aagacacgga	caggcacccc	tcgtacgtgc	caatagcatt	420
cccacagca	gttgtcacac	acacaaggct	catgacctcc	ctccccacct	gtgccccccag	480
gggaggggct	tncttggggg	cagggccatt	tcgtcgtcat	cttccagcac	cacacacact	540
cggtttgctg	aatgcttnct	aaataaatcc	ctgcccattg	c		581

<210> 64
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 64						
atgtcatggt	ggagcattgc	agactgctct	tctcccttct	gcctttacat	acaagatgcc	60
tgttgctgag	aacacttggt	cccacttctc	tagcaggcaa	ggatctgggc	aggacaacaa	120
ccacagccat	gtgctttctc	atcatgtgat	gtcatctgcc	aggtcatgat	gcagcaagaa	180
ggccctcacc	agatgccacc	cctccagaac	catgagccaa	ataaatgtct	gttctttata	240
aatg						244

<210> 65
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 65						
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gcctgtggcc	ttccagctat	tcagtcaaca	gcatatgaaa	atgcagttca	ttaaaagtaa	120
accatccaag	tcacctgttc	actgtggcct	cctgtcagga	gggacagttt	agatgacttc	180
ttggagcctg	tcaactcgta	ctgcactgat	ggtatcagat	gcaagctggg	gaatttggaa	240
tgctatctgc	aatagtgaca	tctggtggct	tctaagttct	actgcacctc	cttaaggcag	300
gaaagcaagc	ctggctttta	agcagtattt	gtgaaaaaat	aaaggaatta	catgagttct	360
gg						362

<210> 66
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 66						
ggtctatgct	acaccacctt	ntgcttacac	cgaaacaaaa	gcggntggag	ggagctgagc	60
ccagagaggg	atgatgcagg	ctcttccaga	acctgtgtcc	tatgcctcaa	gccttctttc	120
cctcctgctc	gctgacaact	gctgaagcag	aaactaagat	tacgacacta	ggtggcagca	180
tnatcccacg	ggaagacaac	ttgagtttgg	ggagaccacc	ccccgccaaa	ctcaacacaa	240
tttggagagg	ctccacgaaa	aagaccagcc	cccaaataac	agggagactc	tgcaatgctt	300
ggtttccagt	gatgatcaac	actttaaggg	ccaatggaat	tcacccttac	aggggaaagg	360
ggaccgttga	antancttgg	ggnggggagg	ggcatgctcg	agaaacccta	cctaattgc	418

<210> 67
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 67						
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tcaaaaagatg	agtaaaaggaa	agtctgctat	tttcagagtc	cacttgctct	gagctggttt	120
tcttctaaac	cacatcacaa	aagagcacga	tgtgtgaac	ctctcctttg	gactcaagtg	180
tactaatggg	gaggaatggc	aagttacatg	cattatttct	ggattctata	aaaatgaaag	240
tgatgggaat	taaaaataag	ttcattaata	ttgtaattta	tagttctgaa	gagcttttagc	300
aaataaacta	aacattccaa	at				322

<210> 68

<211> 317
 <212> DNA
 <213> Homo sapiens

<400> 68
 ggtgctttac gtcccaccca aggcaagagg aacgccagcg aggaagacaa agaggcccgg 60
 ggtggggcgc atgcccgcga ctggactgaa agctgagtca caggaatcgt acccctgcag 120
 cgggccaggc cctccaggga gggacaccgc gcccttgtgt ggagatgtcc acagtagaca 180
 aaggcagttt cgaaataaaa gaatgcctgt caccgccagg gccaccccgga cccttagtta 240
 ttatgcactg gtccccaaga gcaatttctg cgctgctgtt gcaaaaattc atcgtaaatga 300
 aataaacgta aaagggg 317

<210> 69
 <211> 678
 <212> DNA
 <213> Homo sapiens

<400> 69
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 ggaggcacia aagtccecatg ccgagagaga agtcggtaac tacgcctgtg accgggagag 120
 gccggacttg ctctccttcg cctaggtttg cactcagagc aagagagaa ataggagaga 180
 ggaagagaga aaggtagcgt cctgacagggt actttcctgg ctatcacaga aagaacaagc 240
 ctttcatggt ttattgggaa ccaagctcag gtgtccctgg aggcagagct acgtggacc 300
 agcaggcaga agagaaaaga gccctgaacg ggaagtgtga gacctgtgtt ctattttgag 360
 ctttggccca actgttaaga ggactgacca ttttaacaagg gggagctggt gagatgactg 420
 gacactttga agtgacaccg ggacccaagg gttctcaagt tcattatttg tgaagaaatg 480
 gngcttgntt ctgtgatctt tctctgctct gaaatactac aggccttaan ctagatgccc 540
 tttggaggnc tttcctggat caacagatgg aggacttttc aaaagcagac gaaagtgaat 600
 gggatcactc acacctctgc ttccggacaca gngaagccca gatggagaag aaagaaaact 660
 tggncaaaagc tatacttg 678

<210> 70
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 70
 gacacaaatc caggagccat tccttctgcc tgggaggagg gagtgatgaa gaccagagga 60
 atcccagagg agaagccatc tgagatcggg aggaggagaa atggaacatc aggcggagga 120
 aacagcccag acaatcgcac tgggacgtga aaacccttgg gctgcatgcg gggagaaaac 180
 cagaattggg gatggttagg gttttggagg gaaacacagg gacatgtgac caaaaataat 240
 aataactact gttactt 257

<210> 71
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 71
 gtaaccta at gggttttctca gccaaagccgc aagcatgtaa ctgcaacttg aaggaggaag 60
 atgtcttttag agacttagaa aagaccagca agcttcttta caaaatgggtc tcttcaatcc 120
 tggcatccac ttgggaccaa tgagatggga tgttcacact catagatttt cacatatgta 180
 tctttaatgg tatccccagg agcctctgaa gtgcacagc actttatttc aatgaagttc 240
 aactaagcc aaaacaagggt atgccttatt caatttcttg tgtccatta cactcagctt 300
 tgctgtccaa ctgatcacac tagctgaagt caaaaatgtg caccagaaaa taaaatgagg 360
 cctactttatc agattggcaa aaannaaacc aggtcataaa accccttttg gtaaatatat 420
 ggaaaaaaca catcttttta tatgcattgn catatatata tacatatata tgctgcatta 480
 atatataac t 491

<210> 72
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 72
ctaccagtct gaccctgact caggcctccg gaagaaacca ctcgctaatac acagtctgtc 60
ttgcaaccag acacggcatc tcagacactg caciaaattaa gaagtcaccc tcaaacctc 120
tatacagtgc aggaatacag ctaagacacc acacccgagt actaacatct gcaaatctctg 180
aaaagctcct cataat 196

<210> 73
<211> 511
<212> DNA
<213> Homo sapiens

<400> 73
aaaaacagag atctgtgttc tgaatggaaa aattcctact gatgccaccc actagtctgg 60
aacaagtcag tctcaaaccat aacaacagac actggggagc tctccaacaa aagatcacct 120
cccaaagaac aggatggtgt cgaagactga atgccagcct gaggaacag aaatactaca 180
gaagcacgcc agagcctgca gtgtctcctc gctgcctctc aatgaactgc taaaagacca 240
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agaccttctc ctgacatctg gggctggcta caggaaacag aaacatcacc caggccttgg 360
cgccgagaca ggacagaagc agattgtgac tnaaatcttc nggnnggaaa ggggggcctt 420
tcnttttntc cttaggggnt anaacnaaag ccanaaggg ttcattccaaa ggnaaccctt 480
aaggcagttt natgatccct ttcaaccttt t 511

<210> 74
<211> 499
<212> DNA
<213> Homo sapiens

<400> 74
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ccggcctcat ggcctttggg ggttgctgtg tggaatggag atgacacgag tgctgcatgt 120
gaggtcagtc aggatctttg attttggagc acaagccttc tgcgtgctac tgactgggtc 180
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ctcagaaaag aaagtcagct ctcaagaaga cttcgctagt aattagcgaa gtaggatccc 360
accagatct gcgttctcca cctgntgnca catgaagcng gggnggtnaa aacagaccng 420
ggaantggnt acctcattac aatgccccnc tgactggntt aanttccna naggggttat 480
tggccatttt gttcaatga 499

<210> 75
<211> 427
<212> DNA
<213> Homo sapiens

<400> 75
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ccagtcttat ctccgtcctt atcaccacct taccatgtca tcctggcgaa gatgccatca 120
caggagttag ggttgaagtc cagggtttaag gtgcatctag atgggttccc aggacgcctg 180
aagtagcctc aagaggccca aaagaaaaag ctccctctggc acagtctcct aatggtgaca 240
aaggagtccc tctcatctgc ttggcagcct tacaatcaga gcgttcttac atctaacct 300
attatttccc actgaaattc aaacctaat cattttattt ttatttctta taaaaatgaa 360
aaacatcact gnggcaagta acttgctcaa ttctnaciaa aaaaataaan aaaagggtggt 420
tggaattc 427

<210> 76
<211> 286
<212> DNA
<213> Homo sapiens

<400> 76
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tcaccatgca ncttatgcaa aatagttgtc aagctggaag gatgcaagcc caatctttgc 120
caccacaaag gaagataata aaaccatac gggagaaaac agagccacag atggagacag 180
tcacattcct ggtgacagtg tttgagcacc tggatccagc ccaacctgag gccattttct 240

cctaggtcttt ttagatctgt gaaccaataa atccccgctt taggag

286

<210> 77
<211> 279
<212> DNA
<213> Homo sapiens

<400> 77
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aggaagtgat ggttgaacac gatgggacta ataagaagga aacgtagtta gagtgatctt 180
attcatttaa aaacaaaagc agcaacaata cagcagtcga ggaaaagaat caattctatt 240
taagcaaaagc aatttaaagt aataaaaaat gtttccagc 279

<210> 78
<211> 481
<212> DNA
<213> Homo sapiens

<400> 78
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attggcatca tgtctccaac attctgaagc caaggctgag gatatacaag gtctggaatc 180
attaagggtg tgataaagt ctgagaaaca caggagaatg cattgttcag tgaatgaaaa 240
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ataagtattg gctggggtga ccattccatt tntcggnccg cccaaggana ttttgnang 420
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<210> 79
<211> 200
<212> DNA
<213> Homo sapiens

<400> 79
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tcacacccag gatttgtgtc tccagtgaag agcagcaatt taccctacac tgaaaatttc 180
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<210> 80
<211> 239
<212> DNA
<213> Homo sapiens

<400> 80
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cagaaagtga agtctcgcaa aggaaaaaga caagactaaa gggaataaac catcgttgtg 180
tgggcttttt ctccactca gcactctctc ccttattaaa atgagaggga taacttaag 239

<210> 81
<211> 495
<212> DNA
<213> Homo sapiens

<400> 81
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gaaagtcca caagcacact ttgttcagtt ctgcagctta ccaggaacac tagaaagcac 180
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aacaagaagg	cggagcgttg	ccttgttcga	cttcagctgg	gaagataggc	gtcaggggac	360
tcaaactttt	cagcactctg	ttatatctgn	gaatgatcac	aaaaaaactg	gggagtntta	420
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ggggataatg	aaaat					495

<210> 82
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 82						
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aaaaccagga	aaagatggct	catggaagca	aagaaaaac			98

<210> 83
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 83						
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accagaggga	gccacgcaga	aacctctggc	ctctctgcac	gtctgtctta	tcctacagag	180
tggcgactct	aaaaggccaa	gggtgccagc	gcccagcgac	agttcacagc	ctgagacacg	240
ctttgtctac	acgcctccct	cctcctctgg	ctcctacctg	ataaaaaagca	ttaccggttt	300
tgatgtttcc	aacctcccc	attttccctg	gtgaaagatc	cattcatttc	agtgtcaaca	360
agacatcata	agcagggaga	aggaacaaaa	ggcanantgt	gtnccttaagg	agggaggcan	420
tttgcaaaag	cnccactntt	ttcaccttgt	ccacagaata	aagggttgaa	gactaaaaaa	480
aaaatt						486

<210> 84
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 84						
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cacncantcg	agtgtggagg	ccccgaggaa	gatcanctnt	naanacacag	gcaggcaaaag	120
ggcagacctc	taaggagatg	gangangaat	gacanagggc	nngaagaatc	ntgtgagggga	180
ctgnacanana	agccagtgc	naaaacttnc	agaagagctg	ncaacagtac	caaacaaagc	240
agaagagtct	caaaagatta	aaaataaaat	ttgcttccat			280

<210> 85
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 85						
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tcctggaagc	agcttcgagg	aaatgccag	accctggggg	ggtgatgtgg	tggcaagggtg	180
acaaaggggc	aggtcacaca	gctgtcacaa	gctgatatgc	aagaactcac	aggcatgacc	240
cccaggggct	atgggtgtaa	gggcactctgc	tctgcccttt	ccagcggggc	tagttttggt	300
ggcctctgtt	ccattttattt	gcttaggaac	acaaagctga	atgcactgtt	tgcaggaagt	360
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<210> 86
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 86						
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ggaaatatcc	ctgaccatgt	tgggacttaa	cactgcttca	cagagctacc	caaaccaagg	120
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cttgacgcgt	taacccacct	gctccctgtg	gccctgggat	gctctgccat	cccccgtagc	240
tgccagttca	cttagggtag	acttatggca	gagggatgtc	aattttgctt	gaactgctca	300
atcactgctg	acatttcggt	aaccacccta	tgaacttctc	aagcctgaag	tagcagcaac	360
ttgtgccctt	gaaaactgaa	cagaaaacaa	ctggattgna	ttttttcttt	caccaggaaa	420
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<210> 87
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 87						
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atcacttctg	tgtctcagtt	aacacgcctg	taaaatggaa	ataatatcta	tttgtgatgg	300
ttaagtttta	tgtgccaaact	tgactgagtc	agagaatacc	gagacagcag	gtaaaacatt	360
atttctgagt	gtctatgaag	ggtgnatctg	gaaaaaanta	cntttggaat	ccgtngaaaa	420
ggggcaagna	anatctgggg	cggntcatct	gggnatcatc	caatccactg	gagggctcac	480
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<210> 88
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 88						
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gacatacct	tgcaaaaaaa	tgttcagctt	aagcctctan	actaacttct	ggtttacaag	180
aanaaaaaag	agggggcccat	ttccaaaaag	actcctgcct	tgaactcttc	aaaatgccna	240
tgncacaggg	ggaaaaaaga	tgggggaact	ctactacntt	aaagctaaag	aaaaatttna	300
aaaaaaaaan	gaaaaaaagg	gccngcgngg	ccnattnagc	ttggacttan	ccaggctgaa	360
cttgntnaaa	agggggggga	c				381

<210> 89
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 89						
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cacttatgtc	gagactgcaa	aggctaacag	catcttcac	ttgggtgctc	tgtttccgct	180
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tcaacacact	acccagcttt	ggagccaagc	ctcatgagtt	cccccaaccc	agttcctgcc	300
agatactgcc	acctgctcca	agtgtcaaat	ccagaagaca	aatggcctcc	aatggtcttt	360
ttaattcagc	catagacagt	caatctggga	tagaatgatc	tccttaagga	accacatgt	420
tttataaaat	aaaaactgca	tgaattatca	aaaaaaaa			458

<210> 90
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 90						
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gaacatgtct	gcggtagcca	ctgggtccaa	gagaatgagg	aaatatgtag	agcagctttg	120
aacctaatca	gcagtctgaa	gtcaagccca	gtggattcca	gccaagcaca	gcagaaccac	180
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<210> 91
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 91
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 gtgttttagt gggtttattt ggaggggcat gggctggaaa ggagcgggca gagatgcagg 120
 gcaaatctat aaaacatttt gaacttgtgg cctataaacc accaaacatc atgcagggtca 180
 ctgatgtgag gatctgctgg gcttatggca tttgtgacaa acccaatgat tcttttatta 240
 caacagctta taaatg 256

<210> 92
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 92
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 ttaacgagga ggaacggatt tgtccatctg accacaaccc aaattgcttg aaaatttggg 120
 cagctgtgtt aacagggaaa gaagttggga catggagttg gacagacctg gctttgagac 180
 tctgcctcat cacgacctcg ctgtgtgttc cctctgaact tagctttcta tattaacaaa 240
 atgaggccaa taataattcc accctgtctg cattccaggg caattaaaga atcataaatt 300
 gcct 305

<210> 93
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 93
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 agcaatggct gagtctacgc cctgtcgtcc cctcctgggt ctacacagaat ggaaataaat 180
 gtctcaactc 190

<210> 94
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 94
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 gcagccccc aatgaggcca cgagccccag aaccatcctg attgctccct ctgagggtgat 180
 ggacagagga aattttccct ccaaggactg acagagaaaag aacaacggag atgtgggtcgt 240
 ctgctggcat ccattaactt gtgcaactag caaagcaccg agtccacagg gaaaagggag 300
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 gcctcatnct tgtattgnaa tggcatcttt tattncctca accccaaggt tntaaagtan 420
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 cacaacttta tctnctgac atgtttacc 509

<210> 95
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 95
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 tagggcaata taacccccta caaacaacct tccgacaaga ggacaagtgt ttccacaagg 180
 cttcatggaa tgtcgaagtg gaggaacaaa acacttcagc tggaaagata gcacatagcc 240
 agaagtcaac cccaacccta ccaaaaaataa tgatgccagg aaacagagct acatacacaa 300

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aaggggaatgt gtaccaggat acacataata aagtcccttg gccaaagctg ggattcctcc 360
tggccaagcc agaggagtga ttcaacttaa gagaaaattg gaaggaggac atgtggaat 419

<210> 96
<211> 95
<212> DNA
<213> Homo sapiens

<400> 96
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<210> 97
<211> 505
<212> DNA
<213> Homo sapiens

<400> 97
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gcctcaggaa ggttggcagc tgccaaaccc acaggctaag cagtggaggg actgtgattc 300
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<210> 98
<211> 500
<212> DNA
<213> Homo sapiens

<400> 98
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cacgaacagc ctgacctgc tttcaaccag gaagttcaag ggaggcagga ctttacggtc 180
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caccctaatc gaagaggata tcgtttcgca tcagggaacac tcgtctccac acctcctacc 300
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<210> 99
<211> 482
<212> DNA
<213> Homo sapiens

<400> 99
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<210> 100
<211> 508
<212> DNA

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<213> Homo sapiens

<400> 100

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accacctttt	gtcaccttgg	agacttataa	ccaggccagg	cgcgatggct	catgcctata	480
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<210> 101

<211> 376

<212> DNA

<213> Homo sapiens

<400> 101

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agtcaataag	atgaaatgat	gaagtaaata	taaacatgat	acagactgag	gccattggct	180
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agaattagaa	tgcagtagga	aaatgaatta	acatctgata	agaaaagaaa	ccaaagagtn	300
aagacctgta	gttctgcaac	acagatgctc	atcagaaaaa	tgtgggtaac	cttttcaata	360
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<210> 102

<211> 304

<212> DNA

<213> Homo sapiens

<400> 102

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agaatagaaa	acctgaagaa	tacatttttg	ttggaagaat	agaaagtctg	cctagagngt	180
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<210> 103

<211> 501

<212> DNA

<213> Homo sapiens

<400> 103

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ataatgaagt	gagntgcagn	taanatggag	cccactgggg	aagagatgaa	gcagtgttca	180
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atggtctcct	cantaaaaac	aaggccgtan	gntttntttg	ggctttcgcc	aatgcaacc	480
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<210> 104

<211> 431

<212> DNA

<213> Homo sapiens

<400> 104

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ancananagg	ggctcangac	gctgtgagac	ttttccattt	cctttgcctc	ccagcaggcc	120
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ttttactggg	acttaacgaa	ttccatctct	cagtagccat	atgccagggg	cccaccctgt	300
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<210> 105
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 105						
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gtcaacagct	ctgtttgagt	aaatgatcca	tccttgaatc	gtgtatgcag	agacaagatc	180
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tcttgccctc	tttccctttc	ctcctccctt	tttcagnctt	tttttcctta	atacacaagt	360
ctcttttatg	gagttaactc	aagctatctt	aaacagcatg	aactaataaa	ggca	414

<210> 106
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 106						
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aggatgaaga	cctttatgat	gatccatttc	catttggtga	atgcctcttt	caaaagaaga	180
cgtaagacat	ctggtgtcaa	gaagaataaa	tacaatacca	ttaaagaatt	ataaacagaa	240
ccagagccag	agaagaatac	cattttttact	tgacagatga	ctgacacaaa	acttggttac	300
acagacgaag	tattttaagca	agatactttc	tcgaaaatga	acaacacgcc	gactgncatt	360
tcaaggaaac	caactgacaa	catttcctgt	taggacaaaa	tacaagtttt	caaccaaata	420
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<210> 107
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 107						
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ctgattccca	ggcaccacat	gctgatgtgg	tcaggaatga	gatggcacct	acctctgcag	180
cttggcagct	cctcgaatgg	agacattggg	tcttattcac	ctctgggtct	ttagcaccca	240
gcacaaagg	cagacagggg	ccagacgcag	ttgtgcccac	ttttcgaggc	tagaaaataa	300
tgatctaagg	aaaagacgat	tttgaggnc	tcagaaagg	aatacagcag	caaaagccag	360
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gnggtttgc	ttaaagt					437

<210> 108
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 108						
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actcaggcag	cctacgaaga	ggccacatag	agaagaacag	agggctgcag	tctacagcta	120
gcaaggaacc	acagcctgcc	aacaaccata	agagcctgcg	tgggagggga	ccttcagacc	180
cccattgaca	gcctgagtcg	aactccatga	gagacgctga	ggagaatcaa	gtagctaagc	240
ccttcctcaa	ttcctgactc	tcacaaaactg	tgcaagataa	taaagattcn	ctctttttcag	300

ctgcaaaaaa aaaaagggn c nggggggccc tttnnngtngg ncttnanng ggggaanttn 360
 tttnaaaggg gggggccccc ccc 383

<210> 109
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 109
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 atccctagggc attatatat 79

<210> 110
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 110
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 aatggcgctg aaggcctagc acanggcagc ctctacctca aagcaccatc ccgcttaaca 120
 ttccaacggg gcctnaaang aaaaaccctn tgggtggggtc caccacaaaac ccctggcctc 180
 catgtgtctc ttcctggccc caaggacagc ttgacactnt ccaggaagna aaggccaang 240
 ggnaaccccc ttgtcaanaa nacttatttc ttaaaaaaga tctnggnttn tanantcaan 300
 gggggacctg gtttnaaagt ccccgccatt ttgcccttct tgaacttcac canttgtttc 360
 aacnctttt ngggccactt ccacctttnc ccttcatnc tngggaaacc ctccangttt 420
 ttncctccat tctggggnaa gtccaagggg gngggggngg ggaccccacc ctt 473

<210> 111
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 111
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 aatggcctga aggcctagca cagggcagcc tctacctca agcaccatcc ggcttaacat 120
 cccagcgggtg cctcagatga gaagccctgt ggtgggggtc accagaaacc cctggcctcc 180
 atgtctcctt cctggcccca aggacagctg acactgtcca ggaggaaagg gcaaagggga 240
 agcacgtggc aagacactca tttctcagaa agtctgggtt aggagtcagg ggacctgggt 300
 tcaagtcccc catctgctc tgactcacia gtgncacctt tgggcactta ctttcccttc 360
 gctggacctc agtttctca tctgggagtc aaggggggtg gaccagctga tctccgg 417

<210> 112
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 112
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 ccaccttggtc tgaaatggcc tgacatgatc agcactgggc gtgacccaaa gatggaatga 120
 agaacatgaa tggatgactg tttccttagc aacaagaacc atatgtttcc tttgaaacaa 180
 gaaacacaaa gaaaagttcc catccatctt tctttccacc aattcaaaga ctaaaatagta 240
 gtggcttaaa attataatgt tt 262

<210> 113
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 113
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 gcttaaaagt taaatgatga atcagaagag ttatgctgta ttctaagtct gccactaggg 120
 ccacacaggg tgccaacatc caatctcaag atcttcggga aatatgtctc cctccaaaa 180
 tacttacaga tgtgtctcct cttttttgta aaataaatgc tcttcttat 229

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<210> 114
<211> 318
<212> DNA
<213> Homo sapiens

<400> 114
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ctggctgcat ccaaactgca atgaacctat accatagaac acagaacaca aacattgaac      180
ctgctgagcc tgtatgaagc tactatccca ggactgtgaa aagtagacta gttgaggaag      240
aattcaagtc gacactgaac tagtggtaga gctctcatca tacagatcgt tggaaagtag      300
catcccgaca gttctgag                                     318

<210> 115
<211> 426
<212> DNA
<213> Homo sapiens

<400> 115
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tccangnatt tccagagatc ctgtggcngg tgaggnectgc cctcncctga nccaactcgt      120
ctataatatc ttcctaacag cangagtcgc ctgcggggag gagaggagaa gacagactaa      180
gctgcgcgta gagcggcatc aggagcaagt taccgttagc atgtgtaaac aaaacaactc      240
gactcctctg tgtcagaatc aacaacatca aagctgataa tgtggctggt tgggatcaat      300
tagcactgga ttttgcccca agattgcttc ccaaggcgga caagtgggag ccacttcatt      360
ttccagcgac ttttacttcg ntcacgggca tatccacgcc agggctgcag aagcatttca      420
aaaggg                                     426

<210> 116
<211> 229
<212> DNA
<213> Homo sapiens

<400> 116
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actggagaaa aagccaccat caaccagaa ggccaacttc cataattata tgaatcgttt      120
gtgaacattt atggattaaa atgtttgagt aaagctgaaa tcggatatta cagtccatga      180
atagttcatg ccatgagaca aaaaattaaa gaaaaaaatt tcattgatt                                     229

<210> 117
<211> 430
<212> DNA
<213> Homo sapiens

<400> 117
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gagcctcaga cccatgcccc agcgttatgg agatgtcttc tggaagaacc ttaatcaaag      120
gccaccccc acttggtctg aggagcagca cattccaccc atgctgagag ccactggttg      180
ctcccagctt ggtctgtatc ctcttgagca gctcccaccc cctgaaatgc tttggagaag      240
aaagaagagg aggccatggt tggaaggaat gcagcagcag ggccttgggg gagtccccgc      300
ccgggtgagg gctgtcactt accacctgga ggacctaaaa aaggcgtcag aagcattatt      360
aaacgaactt gaaaaaggcc cagtggggca agcttntggg gctggcatct tganccagtg      420
ggtgcttggc                                     430

<210> 118
<211> 435
<212> DNA
<213> Homo sapiens

<400> 118
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aaggctgncc ttnggtctca tcaacactct gctagccaac actttggccg caagttcact      120
ctgctatcca cagctctggg gcacttctct ggctgtctgt tagtaaccac taacctaacc      180

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caacctcatt	ggccaggtaa	aagctatcga	aaataaaactg	aaaatttgcta	tctctatatg	240
nccatgaggn	ttaatacagg	aaaagctgat	agtcaaaagt	caagntcaaa	tggtatttgg	300
tctccacagt	gaaaaaatgn	ctttangctg	gaataccaaa	gaactnggga	ggcaacaccc	360
ggacctgnct	tcaaaagatt	ttnatcttcc	cttttccctt	ggntggcagg	gcctaaaatc	420
aattcccagg	gttca					435

<210> 119
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 119						
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tcagggttcc	aatcttttct	cccttaaaaa	tacaagatcc	agaagaggag	ccctgtcaga	180
tttccattca	acaaaaccgn	tgggcttacc	aaccttacac	tggaaacaac	aagctcaaaa	240
gtggactctg	aaacttgctt	tttaaaaaaa	gcgtttcaag	cgataagtgt	aacgtgctac	300
agcaagttaa	gacatctgca	ggtctgatgc	agtcattctt	tgggggggtt	acccaacaga	360
cacacacagg	gccaggcacc	ttttcttctt	tagcagcaga	agaaa		405

<210> 120
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 120						
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agaagggctg	ggagaacatc	aaggcttggg	ctaaaacaat	tatggcccat	gaaaggagag	120
agaaggtgaa	agggagcgtc	anccccctcc	tgagtaacca	agtcctaggg	aaggagatca	180
ccancatgct	gctggagcag	ctctacttcc	tgcagagcac	tccttccacc	cctccccccg	240
gaggaggagc	ccaaatacca	cgccacggcc	caagaatcat	ttgctgtttc	aaatagagaa	300
ctgggcgatg	atgaaaaaag	aagtccatac	cgtttttcca	acaccgtgaa	aaggacctnt	360
taaacctga	accctcgtgt	tcaagcttgt	naagaataac	agccaataaa	aactacattg	420
agcc						424

<210> 121
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 121						
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cactccagag	ccctgccccca	tctagggcgc	acgtgcatgc	ctctgaattt	cctccccctt	120
ccttgggtcca	accacagtc	aggaaagcag	attttctatg	ccccgtggca	atcacagtgg	180
aaaatggaa	tacaatggag	tgctgtacct	acccaagcac	caggaggcag	gagtcgagct	240
actcacagac	tccctagagg	agaactccac	gcacccaac	tctgctgtgc	cccctctgag	300
ttctgagcat	gccagggtgag	gcctctccct	ctctntntnc	cttcattcca	agtttttngg	360
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ga						422

<210> 122
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 122						
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ggctgnanct	tggtctcttg	gaataangca	ccaangaaca	tgggagngca	gcaaagctca	120
tgacattaca	ggaggagcag	agttctatca	tgtagaaggt	cattcacccg	agcatgcttc	180
cttatcatca	tctcatcttg	tgccgggtata	caagtaagat	cagccagctg	ctgaaatctc	240
taaggaatat	ctctccatgg	agacagagcc	agacggccca	agtctcttct	ctgttcttga	300
gttcctgttt	tcaagtaatg	atttgataa	actgggagaa	ccagtttcct	ttcctccaac	360
tctggcaagc	tgaaattaat	tctccaaaga	ctcctctttg	gaggcaagc		409

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<210> 123
<211> 419
<212> DNA
<213> Homo sapiens

<400> 123
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aaaatanaag ggcaanctcg ctgtaaagaa nggattactc aaangtngaa ccaaagccgg      120
gggaaagaac atggaaagca gtggagaggc accaggcagg tcgctttctc tttctgggcc      180
tcaaccacag cactgccgtc ttcagaacag taactattac ttgtccatac caggcatctt      240
caatactcct caactcatat caagaattct gcccagtcta aacagacctc catcctacaa      300
acactgaaac cctaacccaa aaccttacat atatccacct ctcacttata ccttctgaga      360
cantatgaaa aacaaagngg cagtttcctt tactggaata agtattaaat tttgcttgg      419

<210> 124
<211> 410
<212> DNA
<213> Homo sapiens

<400> 124
gagcgcgcaa gacagcctgg aaagtgacag ctccacggcc atcattcccc atgagctgat      60
tcgcacgcgg cagcttgaga gcgtacatct gaaattcaac caggagtccg gagccctcat      120
tctctctgcg ctaaggggca ggctcctgca tggacggcac ttacatata aaagtatcac      180
aggtagacat gccattaccg tttgtctcca cgggagtggg aggcgccttt gccactgagg      240
agcatcctta cgcgggtcat ggaccctggg taaaaattct gttgaccgaa gagttttag      300
agaaaatgtt ggaggattta gaaagatttg acttcttcca gangaattca aacttcccaa      360
agagtacagc tggcctgaaa agaagctgaa ggtctccatc ctgcctgacg      410

<210> 125
<211> 358
<212> DNA
<213> Homo sapiens

<400> 125
cnnanactga gagataggan ctgcgtacgg ttgcctgggc tcaaactcct gggcccaagc      60
catcttccag catttgctc ccaaagttct gggattacag ggctgcaca ccaatgaaac      120
tactgatatc agctgttctg aagaaaccca gaagagactg aatcaccaaa gagtgcagtt      180
tccacatcct gatgatttta tcatccttac tctgaccaa cagtgcacct aattttacag      240
cccctcacac cctataatca tcctaaaaac ttcagcccag aactcctcag gaggataatt      300
tgagggtttc tcccatttcc ttatttggct gccctgtaat cattaaacac tttctctg      358

<210> 126
<211> 488
<212> DNA
<213> Homo sapiens

<400> 126
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gccatctgga agctcagggc natgagaaca acctggggcc tggctctctc agccaccatc      120
aaccacaata tcaacanaaa cccagagggg aaacgacctc ctttcagcan gactgggaaa      180
cccttgaagg cagggaactga gccttcattc cagcactaac tcaacaaaca tttcctgagc      240
tgtccctgaa gccaggccct ggctgagaat gctgaaaaga ttcagagcag atacacgtgg      300
gctctatcac acaaatttca tccatgtgtn ctacccaagt gataccactt gctctttctc      360
tgggctnccc cagtccctga cacagaactt tttggtcacc aacctaatac ttcanggatt      420
ataactgttt acatgtcagt ctctctctct cgtccctgta cagcagggat atggntggcc      480
cttaatgc

<210> 127
<211> 437
<212> DNA
<213> Homo sapiens

<400> 127

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nnnntgtggt	ttataaccca	nccagtnat	gatattntgc	tncannaacc	tgaatggact	180
aagacnctcc	ccaccatgan	aatgtccaaa	cataatgnga	cagatgtctt	tacatcantn	240
gtggatgctg	ngacanaggc	ntttacaaac	acagagcaac	ccagggagct	gatcagcatg	300
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acgggaaaga	aacaagg					437

<210> 128
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 <212> DNA
 <213> Homo sapiens

<400> 128						
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actaatgatg	gtctgagagt	acctgtgctg	aaatggaatt	gtctttgagt	ggacacttct	120
tagatgagac	ctattgtggc	caatagctcc	tgaggaactg	aagccttcag	ttcaaaaactt	180
gtgtgagaaa	aatgaatctt	gccaaactact	ggagtgagct	tagaaatgaa	tccatcccca	240
gttgaccctt	gaatgtagcc	ttgtcagaga	cccagagaca	aagcatcctg	ctaactctgca	300
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ctgcacttca	caaccaa					438

<210> 129
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 129						
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aatgtggcag	gaagccctgg	tattctagaa	gaagctctgc	ccactccaga	caggatccgc	120
acgcctagtg	ccatgtctat	ctccaaggag	atcacattct	agagccaagg	accgccactg	180
agaagaaagt	aaccgtgagc	cgtcagaatg	catacctgga	gcgctccagg	aaggaaatct	240
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gagatgggag	ctagagctgg	acacaggggt	ctagtctctg	cttttgtgga	aacaagttcc	360
caaacctggn	gcaagnccct	tacctgtctg	ngtaatgggg	ggagctgatg	tggatcatct	420
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<210> 130
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 130						
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tgccctgtgc	agaaccacag	ggccgtttca	ctgtggggca	cagaacagaa	gcctgggcca	180
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ggcaaaacac	ataactctga	caaaggatta	gcacttagaa	tataaaagaa	cggtgatgaa	300
tcaatgagac	aaagacagcc	tactagaaaa	atctggaaat	aacccaagcc	gggaatttcn	360
ntgaagagaa	cacataancn	gttntaacat	atgaaaagat	attcaatctt	atgtcagtca	420
agaaaatgca	aattaaaacc					440

<210> 131
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 131						
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ttgctgtgct	gaatggcaga	gaagatcaca	gaggaagaaa	aaagaaaaag	acagaaaaaa	120
ggaggcggag	aatttcttgc	ttaaaactgga	cctagtccag	ctggcaagaa	gaggtggttt	180

tcttaacgcc	tgcaaaacct	gattactttt	tttaaaggaa	tgaagaagaa	ggagatgtaa	240
acacagccat	taaaacagat	ttaaggtact	tagttttaat	ctagtctaag	accttttcaa	300
ttgtatgctg	ctctgcaatt	ctctgcttgc	tagacattaa	tacngngcat	aagcccntgg	360
tcagngtctt	ttaaccagng	aacgctttca	gctgagctct	gnggttaccc	tctcaggtca	420
ggcatggaag	gcct					434

<210> 132
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 132						
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atgtcagcct	gcccagaata	aggaagtacc	cacagccggg	aaaggtaa	ccaaaccctg	180
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ggcttttcac	agacactgct	agtagggctc	caggacctct	ngaaggccna	gatngggggg	360
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gaggctgcca	tgagaaa					437

<210> 133
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 133						
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aaccaaaagg	tgtccatgac	ttaggtacta	aatggcaagg	ctggaaccag	aatccaagtt	180
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<210> 134
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 134						
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tgccagggag	gggtaagaag	aagcagagtg	tcaccgggta	agagtcgaca	gttttgaaag	240
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gaaacctatc	ctagagaggc	gaatcctctg	tcctggaccc	ctgccccana	aaatgggtca	360
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gtttcccaa	tacctaacc	cc				442

<210> 135
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<400> 135						
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tagaaaagaa	caggagctag	aagatgaggc	agaagtcgag	gacttctggt	tttctggaag	180
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aaacgaagca	tctccccagc	gctcgccatc	ctcagctgnt	ctttacaaca	agaactttac	360
aaggatgcc	ggatgaaggc	ccaananacc	cgcgttctgg	gcaagccact	tttaccacac	420
cgactggatc	cccc					434

<210> 136
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 136
 gtacctaaagg cagtaaaaccc ccaactccct ggaagggccc actgggcgct cacttcgctc 60
 cagagcctcg cctggtttcc gcttcgggat ccggtcacc aaccagctc tccagttgct 120
 gctgtttctc gtgagactgt cagagtgaag gggccaaaag ctccgacttc cagcctcaga 180
 aatcccaact caggcaggat cagcgaagcg tccctcgag tggtggagg gagagccagg 240
 cggggcccag gctgccactt atcagggctg taaatgccac cctgaggccc acgcctgcca 300
 acactgctcc ccacaagact aagtcctgca gcctcagccc aaaaagaacc gggcctaacc 360
 ccaaaacgga nggtcatgtt caagccacac cccagtgaac cctggcgacc caccacacag 420
 tgccctgccc tcc 433

<210> 137
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 137
 gactagaact attgccactg aggggcaggt gggaagttca gccaaactcg aaccggagg 60
 ccccacctta cctccctttg tgaagagccc agagcctttg tccaaagctg catcacttcc 120
 caccagccc ttccctgagcc aactccccga tgtctccaga agaacacagt cggcatcatc 180
 gtgataacat cagggaaaact cctatttcca gcagtttctc cttcagctgc aaaaatgtgc 240
 agcagtagac agggcggtggg tttttgaagt ctctgcagga ggtagagtta ttttctcagc 300
 accacatctg agcgcatctt ctaagggtgg ccgactgtgt gggaaactgca agagcttaac 360
 ccgggatgca agccctccca ttccccacc tgtccactac caccacgcct ggatccgaca 420
 ggcagggcag gaccccatgc ccc 443

<210> 138
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 138
 gctctgggga gctcctgcat tannnctan ctgagtatca tcctctgcc atcaagaatg 60
 taagtatgaa gaatgttccg acactgctcc aggactgtct ttcaagccac tgacaacccat 120
 cctgcaaatt ttgatactgg tgccctgttg gtgtccctag aggatctaaa tgaagatgtg 180
 aaaacaacaa ctaagaaaaat attttaaatg gcaattactc aacacgagaa gttaaaacaa 240
 tgtccacact gagactgaaa tgacagcaac agaaacagca agtcagagcc atgcctgtac 300
 aatgacaact agatcaaaac tgccacctgg ccaaaagcaa tactcagatg ctattaactg 360
 taagacagtt aatgggtatgt tatgaggtga aaaaaaaaaat tcctt 405

<210> 139
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 139
 ccnttttgat cccacctac aactgggcat cgctaacaac ccatgtgagg tacctaggaa 60
 gaatgagaag cttccagcaa ggcagctgct tccagcagca agctcctgca tagccacag 120
 gccattccag ctcaatgctg gagaagaatc ttccccctaa cagcactgcc cagcactacc 180
 caactaaggc ttctctggtt aaactgcccc aggatgcccc aagaacttgt ttctaaaggga 240
 aggaaaacag atgccaagac ttcttgtgct ttctccaggg ggctcagagc aggcctgat 300
 cactaccctg gatgcacaaa gtatctatca aattcccaca aggtanaaag ggttgccagg 360
 aatgggaaga aacttcaata ttggaagtca ccaatcacag aagataactg gcaaaacagt 420
 tctactaagc aagcacagag ccatttgc 448

<210> 140
 <211> 458
 <212> DNA
 <213> Homo sapiens

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<400> 140
aactgaggtg gtggtggtca agagcaaggt cgaggtcac ctgtgcccac ttggttccgt      60
acattgtca ctagagggcat catcgacaga gtatgaatca gctccccaat tagcctgacc      120
gtaatcacct gtgttgcttg attattatac aaattccccg acctcatacc gacctactga      180
atcgaaatct ctaggagtag attctgggaa tctgtatcgc tggtaaagct cccaggtgat      240
tcctataatc tggcaatgtg ggagacacga gcattaaggg aaccagcaa caggctccat      300
cctctgccta acatcagcaa cctcagcaga gacttggtcc cagggaccct tgttcennta      360
tgtaccccaa gacactgtcc ctaaatggng cacaaaagca agactcaggc ctgtctcaca      420
cactggcaaa gctgctgccc cccagctcaa accagctc      458

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<210> 141
<211> 451
<212> DNA
<213> Homo sapiens

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<400> 141
aagcttgtga gacctcaatg agtcatgaag aatcctaatt tcaaatccaa agaatccaaa      60
gtgatgataa caaaaagcaa taattgatat ctgaacaaag attcttgggc agccgagccc      120
ctcttgaatt cctcagccta ccatcatgat caacacctcc catgttccgt ccatgaatga      180
ccgcaactgac agcaactggag agatttaatg ggtcaccaat tgaggcagtg aaggcactca      240
tggcaactcag agctggaatg gggctgatct gagttgtact gttgactgca gtgggtgatga      300
caacctgcat tcctttgtct gctgcatcga caactgcttt gtnaatgggc attntaccgg      360
aagcatcacc tggggccacc cacaacgagg ccatncttca cctgttgacc aagagatggg      420
tcaatcctcg gttgcaactc acaaggtggt c      451

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<210> 142
<211> 450
<212> DNA
<213> Homo sapiens

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<400> 142
atcccttctg gagctgggtcc taattgcttt tcacaggagg gatgcaaact ggaaagtctc      60
tacctattca gcgaaggcac tccaagtcct gggctctttt ctctcgggg gcaaagatga      120
gacttctctt ctgtagagat cacagggtga tctgtacagg ttggagtgtc cccccaaccc      180
tggacccta ggagcggccg tgatttgtga cacaaggccc caccgttga tctactcttc      240
acacagccgt ggagagccaa gaactgggag ggaggaggaa atttggagac agagacacac      300
agggagaacg ccatgtggag gtgaagataa agaacacaac ggtgcttntt acaacccaag      360
gaatgccaag gacctccagc aaaccaccaa gaagctcagg gggaggcaca gaacgaattc      420
tttctcacag acctcagaag gaaccaacca      450

```

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<210> 143
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<400> 143
tcagagttta caccttactg taagggtgac cacctgaatc ccaatctcac gaaacaccca      60
caacccttg gcattccctg ggcactaccc agcaaagccc tatctttgca tcggtctcag      120
aaggagtctc ccagatgctg caccagctgc ccagcgtgc tggaggaaat ctccaccgct      180
gcagaaaggc catccctcca ctccctggac agccctctcc acgtcaccca cctgggtcct      240
ctcctactcc ctttgggtgcc tgggtcttcc cagcagctgc ctaccccca ctccctgcta      300
ttcaagccct gnaggcacct tgactcctaa atgaatgaac ttaactgctt gccctgcccc      360
cttattgatc tgccagggtt tccaccttn catctnttca gggcctgcct ttgcagcaca      420
agccaggctg ccatcacctc atgttccaat ta      452

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<210> 144
<211> 258
<212> DNA
<213> Homo sapiens

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<400> 144
ctgtcctgag agcacgtctc tacatctcta cctgcattct ggaatcaagg ggaaaaggcc      60
aaaacggaca agaacactag aatcagcccc tgtcccaacc ctttgactac aagggtactt      120

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tcccgcctat	ctgtggtggt	gggtatcatg	aaaattatgc	acaaaccttt	ttttttttta	180
anctcatcan	ctntngttag	cattagggna	tttnatntgg	ggcccaggag	cattnttttt	240
ccaanggggc	cctgaaaa					258

<210> 145
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 145						
gcactcattc	tctttcctgt	caccctgtga	agaggtgcct	tccgccatga	ctgtgctgaa	60
cgtgtcctcc	aaggggtttc	agggtatcgt	atgccctgaa	attgggcaag	gagctttaag	120
agggaaacttt	gagtttgcca	gagaaaactc	aagatgtttc	tacatgaaga	aaatgggttc	180
agacatttga	cttctttaat	ttttgcatac	tctttgtgat	ggttggttagc	aaagacctaa	240
agtgggttgta	tggctatattg	caaaggctga	gtgtgacttg	atattggctc	aacttgaaaa	300
ctttgatatt	tgatgnttgn	attcaaaatt	ggaaacaaag	gnggttaaaa	agggnnggata	360
tatgaattat	gggggggcat	ataanacttt	gcagaactta	cctgcncctt	atatattttc	420
tgccaaaata	gntgttggtt	tgatg				445

<210> 146
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 146						
gtttgcctgt	tccctctggt	tccagtcctaa	gcatttgtgc	tatccttcga	gtctttacaa	60
attgccctga	aataatatgt	gctgtgcctg	cctctgtaca	gttcagctca	cctttgagac	120
atttcgttgt	gtttgttcca	acagcgggtca	attgtgttgt	atttacccca	gaaatcactg	180
ctaaccaccag	cataccagcc	gccctttctc	gtgagcttgt	gagtggttta	cggagcagaa	240
aaagagttaa	tcgatggata	tgaattaaac	acaggaaaacc	agcactagag	gaacctcaga	300
ctccaggcct	aaaaccactt	gtgactggag	tgacgttaat	cacaaganaa	gggagcctcc	360
atggtaacag	gatgctgaaa	cctgacacat	acaaggnact	atgcactttt	caaagcactt	420
acatttgatc	actcttg					437

<210> 147
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 147						
gcttcagttt	aaaaggactg	cctgtcctag	ctgggattgg	agaattgaga	gaaaggcatg	60
tgatcctccc	gggaccacaga	gagatcagca	gaccagaagg	cctacatgta	cactggaaaag	120
cccccaaccc	aggaatccct	gtacgacttg	aggcattatc	tcactgtgca	tggctgaagc	180
ggtagatgcc	atcattaccc	tcattttcaca	cctgcagaaa	ctgaggtata	gaaacattaa	240
ctggctctagt	cacgagggat	tctgtgatgc	ctgagacata	tgacctgccc	tccaagacca	300
taagtgcacag	accaagaatt	tgatcccatg	tcctggnggn	cccacaagnc	tggggccttt	360
accattanag	caggggtttc	ctctgggggt	tctcttgtcc	ccaggggaca	tttggaaca	420
tctggaaaca	tttttcgttg	tcacaaatga	gct			453

<210> 148
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 148						
ctgaagagca	ttgaccaagt	tattatcttc	aactctctca	aaggggtgaa	gagagaaaag	60
caacactgag	tcaactggct	ggnttttcat	ccctttctct	tcttcagttg	tgggctggag	120
agagatgtaa	ttccaggaca	ttggccagcc	ttttgttatg	tggatacgct	ttacacaact	180
acagtttatc	catcagaatg	aaatacagac	aaaagctgag	gaaatcagtc	ttcttaatag	240
atagaaaagt	atcctttctg	cctccaaata	aaactgaatt	ataacattct	tcgtattttc	300
ctgggtacac	atctggttta	aaaattagaa	gttaaatttt	aaaagtaggc	agaaggtttg	360
gtttttagaa	gaaaagacat	tttaactgta	atagnggatc	attattttta	tgcttataaa	420
gtccaatcaa	agataaatgt	caaaccataa	c			451

<210> 149
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 149
 cnaactgaga aaagcaaaag atatttgcca atgaacaata acctggatgc tcaaaggatg 60
 ataaccctga ggttgaggga taccaagtac cttgtccaca attcagcaac aatgggacag 120
 gtgtgataca aacctctttt tccatcttgt tctctttctg cttgaccatt gcaccattga 180
 gagaagtga aacttggtct agtctacaag gggcacccaa aataacccatg gtgtgtttat 240
 gttcatttaa aatcataaaa tttgtgtagg aaataaaaaa aaaaggccng cgaggccnat 300
 tcagcttggga cttaaccagg ctgaacttgn tnaaaagggg gggcctccca a 351

<210> 150
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 150
 ctctggggag ctctgcatt nctacctncc ttnagatana nctgnnggct ggaatgtana 60
 agtggacttt tggccacgtg gatgaggaat tgaagcagtc agttctgac tagagatgga 120
 aggcgcctgc tgaggacagc agggctgctt ggcacctgg gtccctgaat ggctctgtgg 180
 agcactgcct gatggcctac cctggactgt tgcctgagac agaaataaac ttttatcttg 240
 ttcc 244

<210> 151
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 151
 gttttcaagc aaantggcng taattggaag aaggnaaaac gccaggggtg ccttaattta 60
 gggncctgtg ctccnaaagg tnattcgggc cccgggtttc ntcaacttgt ngaatggatg 120
 gaaaagcaat gngttttacca tttgggcgga aattttgaaa aatcattgga tggaccacaa 180
 gaagcttggg ggaaaaaatt tgtttggttg aaacctcaca agggcaaggg ctaaaaacaa 240
 aggttggtggg gggggtggga tcaagcccca agaattttga ccgtngccaa acctcaaaaa 300
 gaccttggga aaaaaaatgg gccaaagaaat aaaatcttgc tttccatccc cgcccaagggt 360
 tttgggtttt caatttggtg cttggaccaa ccttcaagct tgggcanttc atnngggacc 420
 canttgnaaa gaaaagccan ggaaccgaaa aaaaccccn ccnngggang ggggaaaaaa 480
 atcctnnggg gaatttctt ttttnttaa gggggatggg taaantacca ttattatttt 540
 tacnnaaat aaaaaaatgg ccctcatggc aca 573

<210> 152
 <211> 845
 <212> DNA
 <213> Homo sapiens

<400> 152
 gctacgatgc tggntntaaat ctttggcntg gcttggctca cttcttttgg ggtccacca 60
 cttggccttt tattgaagct tggtaanac ttcnaccant ggaanggggt cttggcaagc 120
 tttcacttcc ttggaaagcc caggcggaag aaccacaaa aacccaccc ggggaggaa 180
 atgaacaag ctggcaagga acgcgcggg ccttttaaag atgcctggtg aaccacttca 240
 cccaaggaaa ggggtccgca agctttcact tccttaaaag cccaagccga agaaccaagg 300
 gaaaccccc acccaagaaa gggaaaaaaa aactcccgaa acaacatctt gaaaccatca 360
 agaaaggaaa caaaacctcc cggaacacc gccttgcctt tttgaagaaa cttgtgaaca 420
 cttcaccccg tgaaggggtc ccgcccgtt tcatttcctt gaaagtcaag tggagaacc 480
 aaaaganacc cacccaaatt cccgggacat tgtttcctt actttcctt taataagctt 540
 aatttaaaat ggtgaacttt ttctcgagg ggttgggctt tttggaccat tnccttttgg 600
 gaaaacaagc acttccttaa tcaaatggg cacccttnc ccttgctttg ggtttttgn 660
 ttatttaanc cactttattt gggccatctt cttggggcca naagaatttt attaagccnc 720
 caatttaaaa tantcccat ttggcttacc caagccttcc ctttcattat taacccctt 780
 tgcccaatt aangcaaggg nccccttata aaacaaaaat nnggggcttg nggaggccaa 840
 aaaaa 845

<210> 153
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 153
 gtgcctgtct gaaaaccagt tctctatga ctgtgatctc caagtgatca aagtcttgtc 60
 ctggaagcca gactagtgat atgcaccttg taccttgctc ctcaaggcac caacaaatag 120
 gaatccagag caactttctt agctggagtg gcttctatgt ttctgactgg actttcacgg 180
 atacaaacag tggggctctt tgcaaaacac tcttctaagc tttcagaagc aggtcataaa 240
 gccgaaaagg acattttctgc ctttctctga agcagggtcat aagtcctca ttagagaagt 300
 atcctcccta tacctgaaga aaaggaacat ccttatctat gaagacacag gaactcagag 360
 aagaatctga acaaacaggc cttgcaaaat gccctccagc ttcttgccat tagatcatac 420
 ctcttttttc cggccatact tctccataac tatccacttc ttcatacagat ctagcataaa 480
 aacccatctg gtttactggg tggcttgggt cttcatttnc ttatgaangc tccgcataacg 540
 taaaaacnta cggttaaaaaa aatgggggatg cttttctttg gt 582

<210> 154
 <211> 627
 <212> DNA
 <213> Homo sapiens

<400> 154
 atgcatacgc agaacctacc acacggcacc tactgcgggc ttcagttttg ctgtagaacc 60
 gagaaacatc acgttagatg ctttagcaac aacaatgtat atgttgcata gaagaaaagt 120
 gtcccagaag aacagccagc tgctctttac atgaaattgt ggactgcct gtaagaagta 180
 tatccaatga gaacttgctc tcaccatgta atacttttaa tgggtgagcc atttcaacac 240
 ttacatact gccagtaag tttctacaga actttctcat tgtactcagc gctgtctgtg 300
 cagttaattt aggcatacaga aaactcagtt gttaattttc tgacttgctc ctggactctt 360
 aaatgctatt gctccaatca taacacgtcg gaacacttac gcagatttca acaataatat 420
 ccacagctgg gaataaatca aagcagggtt atcactggat aagtgctatt ggaatatggg 480
 taccaagaca acatgaagca aaggacagat ttcactttag aagattaaga cagagccctg 540
 ggggggaaaa aaaagaggta atcccaacaa agtctatgca accnttaaaa aatattattc 600
 agagcagaaa tgcagaattg gcctttg 627

<210> 155
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 155
 caaaactgaa aaactggntg accttncgct tngnntncaa caaaccaaga ctagctttga 60
 ctatgacaat nggtatctaa ngaatgccag acaggatgga tgaagaccag gacacaactc 120
 actccaccaa actgtgatgt tacgtcattt accttggtcc ccaccactt tgcttttgaa 180
 tgaagacgtg tcccagcnn ttgganaacg agaaggaaac acgccaaatt aagggtcnnat 240
 ttacatcaac agagaatata gaggtcaag agaggaattc acttaactta taggaaaaacg 300
 aagtcataat ttggcacatc gagttttag tctttgagaa atgaaaatcc tcancaaaaa 360
 gcttttgtct gaccagctgt gaggtaagaa tgtgcaagaa gtcaaagcaa gcgaggaggc 420
 ggagccggta ctgtcctgga aagcaaaacc cagaaagggt gcgaatctgc tccaaagctg 480
 cctcttttct gctcctaagg aagatgcntt ctcangatac agggattttg tgtatgaaaa 540
 aaaaatggcc atagctgctt acagaanaga atgggtggna atgccaattt ttgactat 598

<210> 156
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 156
 aacctcaggc caagtgttct tgacagctca tccacagact cccactggta aagcagcatg 60
 aggatggctt ctgttatattt atttcagaat ttttctctgc agtggcatgc cagtaccagc 120
 tgaggatcat gtattcaata tttgccttct ttcacttctc acctaggatg gctttaattc 180
 tcttcaggga gaatttattt tagtttttcc cagtaagaga atccacttct cttgcccata 240
 ttcataaatt atcattaaaa attaaacttg gtacaataaa tatt 284

<210> 157
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 157
 ggctaccctc gtgntganat gaatnaactg gcncttgng gccgaaaagc gagngccnc 60
 tttgttttgg gagggncctg taccctcgcg gaaacctttt ttgcccga ccaagccaa 120
 gcggaatggt ttggtcttcg gcctggccaa ncnaagcccc cccaagangg ggccaaagct 180
 tcttggtgga aactaagtc cacttggtg cggaaggcc cgggggtcaa ncccaaaagt 240
 nccccggnca nggccaagca atcggtcatc gggggcccta taagcnggga aaagaaagaa 300
 aaagccacaa gncaagtat cttggcttga aaaaaatggg ggggnntant aaacgggaag 360
 tcttcgcccc tgtcaccaag gcttggaag tgtgccagt ggatgaagaa tctcagctca 420
 cttgcaaacc ttcacctct tggggttcaa aagtggattt ctttcttggc ttcaaccttt 480
 tccaagtaa gcttggaat tacaaggcc ccggnccacc atgcccaagt attttttggg 540
 gggccaagaa gggangggaa aanggaaagg ngggggtacc ttggaaaacg aacaagcttc 600
 ttttccccctt ggggaacttg gnaagcaatt nccgaagcac caacaagtcc aaccccgcc 660
 aagcctttttt ggtttccttg gcacaagtct tggncntntt naaagaaacc aacnaacttc 720
 cattattttt attggacgaa tnaaaaaaat ttgggtagg 759

<210> 158
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 158
 tcagaactng aggnaccct tgccaaggnc nnctancccc ttgggggcn tnaactttngc 60
 cntaagggcc ntntngnenn caancccttg acnaaactta anggagtcct ntcgaaaccg 120
 gggccaccac ctttcttcac cttttgcaag gcaaggaagg cccggaagg ntaagccctc 180
 aagcgtcaac gaagttcaaa agancctggg ttaccagca agtttgcccc atctgctcaa 240
 gggatgtggg ctttcttctt gatgaagtaa gttgaaagt cttgggatgt gaaatcaagg 300
 aactcggagc tcaaagttca atgaagtacc ttggaaaatt ggattgggga agctggccca 360
 aggaaaatca ggaaagaaaa naagtcctga agattcaagg aagaaagtaa aagcccgct 420
 ggcttganaa tgggggtggg ccanggccaa accttgatca agggcccgag caaaacccgc 480
 actctttcca aataaaagct t 501

<210> 159
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 159
 gntaccnact ngnaccaggt ggatnnatca ancacgaagc cctcactttt gacntcttng 60
 cannnngnga aaatttggag ctgggatttc attgcccag ggcaagatgg ggaananggt 120
 tancctttgg cttananaca aggangggaa aaacccaann ctttnaccan aaaagaaanc 180
 ttgganattc tttgggggtt ttggaacang aaccgggttt acctgggcat ttttttaaac 240
 aaaaacnacc ctttaacttg gcttatttaa cccggccttg cttcaatcaa cccacccttg 300
 gggccctggc ccccaagtgg gccaatantg cccttcaccc aacctattgg gcanttaagc 360
 ccacaaggcc caaagaataa acttataata tcaanaaatg gaantaagaa aagaaaaatg 420
 tggttcactt gggaaaaact tggcttgggt ggaagcccc cccaatgggg gaagcttgaa 480
 ggagcttggt gtctcttgca aggcatttg ggggaacttg ggccacaaa gccaaaagaa 540
 gtcaagcanc catggaaaag cccnggagc ttgtaaccgg tgtgcaacca aggccgcca 600
 attccaaaca agcatggggg aaaccaacaa gtngngcgcc aatcatttt nctcaattta 660
 ttngggcnaa aaaaggnggc tatttttttc acccttgggt aaggtggtng cnttttttga 720
 gaaacttccc aaatta 736

<210> 160
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 160
 aagacatata tcatgagaga gagagattac agtatgcaat ctctcagctg ccaacagaac 60

acagatgggc	ttgggaacag	agaatgatcc	agatctgcag	gactggagca	atccgtggga	120
agtttggaca	gaagatctga	tgcataagac	agtaaaggac	tactgaatgt	tccatgatag	180
atatgcttgt	tcttttgcct	gcatgccctt	gaataaagac	attttgatct	ccaggaccaa	240
cctgagaaac	atataattta	atctagtttt	gaaagaagag	ccctgctaca	caaatactgg	300
ctcacaatgt	taacagatat	caactgaaat	atcaaagggc	tttcatattt	cattaaattg	360
actatcctat	gtgtttgata	tttccattta	attgaatatt	tcttaactca	atgaaaaatg	420
tatgagcctg	ctgtgataaa	tcccgtgtcg	catatggg			458

<210> 161
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 161						
cagaaattga	gaatcatttc	acttttgggg	gaacgggaag	ctggttgtgn	accaccctta	60
tgtgnacctt	cctgtccttc	agctacatcn	gatgaacctt	gggcagtga	ttatctaagt	120
cccattccaag	cttccagaaa	gaactgcagc	cccagctgac	agcttgactg	caacctcatg	180
aatgtttctg	agctaggacc	acccagttgc	ttctgaattc	ctcacctca	gaaaaactatg	240
aatacaataa	atgctgatta	tttt				264

<210> 162
 <211> 882
 <212> DNA
 <213> Homo sapiens

<400> 162						
agtcaganac	tngaagccca	tactttccca	attgccttcc	aagcttgttt	gcaccgggan	60
ggtttcaaca	atcantattt	ttccaagaaa	nggcttcctt	gggaaaagan	ngtggaaata	120
ttggtggtcc	ccaatccaag	aaaanccttg	aatggggggg	anttggtgaa	ctttgggctt	180
gcttgcccat	tcctttcaat	gggtcaagccc	caananaaan	atctggtggt	caagccccgc	240
cacaaaccat	tacttggttt	aaagccaagt	ggggaatgaa	aaagtggcca	aagccttgcc	300
caaagaaaaa	aatgggtaaa	agggaaaaat	gtttgcccc	aagggaaaga	aaacacccat	360
gggcaaagat	nggaaaccaa	gtaaaccagg	gggccacaat	caaggggggg	anaacaccga	420
aaacattacc	gggcccanta	aaaacttcct	ttaattaaga	ananngtcta	ccaagattaa	480
aatctancag	atgaacanat	tcctcaaagt	tgggaacttt	gggcccattg	aatttgggnt	540
tgggtcccttg	ccattactng	atggaaaact	actggatggt	ccaagcttgg	gtctgaaang	600
gacccttac	ccagaaagcc	ttaaattcan	tcaaaagaaa	atggcaaatt	tccattatn	660
cctaaatgga	attcaaatct	tccttttacc	ccttggaccc	caatcaaggn	ggggncccaa	720
aaatttttcc	caacccccct	ttggccttcc	ccaaaaaacc	ccccaacccc	caanaaacn	780
tcttttaaaa	aaaattaaag	aaatctttcc	ttccttaact	ttccttgga	ttcaanccnn	840
cccattgtna	atccatttaa	aacctcntnt	ttgcttgga	aa		882

<210> 163
 <211> 828
 <212> DNA
 <213> Homo sapiens

<400> 163						
cagatactga	gaacacaaca	aaaagaacct	gtcaccacaa	caaagagggg	aaagtggacc	60
aagtggctta	tcttgaaacc	ttgtgggtcc	ttggggaagc	ccaggggtga	accctgaata	120
atgaacatct	aaaaagaaag	cctttctggg	aacttcttga	aacaaagaaa	tttcggtggg	180
ccctgccaaa	agctttgcc	aatttgccac	ttttttcaaa	atgccctttt	gggaatgaac	240
ccaagccact	tttaaactct	gaaaaccttg	caaccaagaa	ctaagcccaa	ccacctgggc	300
ccatgaaaac	tttgccccct	ttcacttgga	tctgggaact	tcaaccttct	tggancccta	360
acggcttttt	aaagccaaag	ccacttaact	tggcactttt	aacaagaaat	taaccccaac	420
ttgggaatcc	cttgggaacc	caacaagaaa	ttccctttca	aggaatccct	ttctttggct	480
ggccaagaat	ggaaagccaa	aagggaaatt	aattttcccc	ttcaaagttt	ttctaaagtg	540
aattttccaaa	aagccaaang	nggnnggtgg	aaaattttccc	aagtaaccaa	gaaaaccaag	600
aaggggttggc	cccaatagaa	agtaantttt	ttaatcta	aaccttcccc	tttgggtacc	660
ctagaaaaaa	ngcttatttg	agaactaatg	aagctccacc	agaaccangg	gcctttcgcc	720
ancaaaacct	ccaaaatcaa	taaattggga	ccatggtttt	aaatggatta	cctgggggaa	780
tcnttgata	ggccctnnna	aaaaggggga	nangctaatt	aaaacaaa		828

<210> 164
 <211> 660
 <212> DNA
 <213> Homo sapiens

<400> 164
 tggagaaaat gggattggga aacagaaggg agaagaaact gggcntttac cataagaagg 60
 ttgcanaaca ccccttataa acctaaccct ttaaaatggc agtgggaaaag cnttcaacat 120
 ggaggcctcg tctaatttaa aacaaaccac acagacncac ttggcccaaa agcagcgact 180
 ggcctctgaa gannaaaagg tggggccctg caagtactgg gctgggaacc acctccacat 240
 ctgaaagaat gctgtttgcc tgtatttgct tcccaacgct ctcccttccc ttgcctgggt 300
 gcctgttggg cctaaccatgg agctctgccc acagtaagtg tcgttactat ggccactagc 360
 ccataccaag gcatggcctt tgcaagtccc caacatacag ctcccgacct cacaagcaag 420
 nccatctcta ntgctggnc aagagtaaaa gttcacacng ggcggggcaa aaagtctctg 480
 tcattccaan gnancaacgc accctnaaca agcttttccc aaaangcaac tcaaccactc 540
 tttagaattt tttttttttt tnaaaaaaaa ccgggnttaa ggaacttggc aaaaaaaanc 600
 ccccnagntg gaaaaancct ggggaaaaan tttctgggnc cccccccgg ggtggaactt 660

<210> 165
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 165
 cagaaactga ggtatattag ttcttatatg aatggacaga agaaacnatg gaaattggag 60
 ggaaggggaag angaacnct anangggngc ntantttngc nccccaggtt gnccttcaat 120
 taaaagaacc tttggcntcc aggggttcaan gtggattctt tttgcttcaa gccttcccga 180
 gtaagctggg gaactaacag ggtggtcaag gccttcttga cccaagcct aaagcccatc 240
 attatcccc tgggtgatct tgcacctaac ccattcccaga atggccctga aagtaagtga 300
 aagantcccc caaaaagaaa gtgaaaataa gccttaactg gatggcattc ccaccattgn 360
 gaatttgttt ctgccttcac ccttaactgg atcaatgtac tttgaaaatc tccccgcacc 420
 cttaaaaaaa ngttctttgt aattctcccc ancctttgaa aaatgtactt tgngaagaat 480
 ccanccttct ggccgcaaaa cattgtctct aacttccacc gcctatncca aaacctataa 540
 gaactaatgg ataatccacc accctttgct tggacttctt tttcgggact canccccgnc 600
 tгнаaccccc ggtgaataaa aacaagnccc ctgtgtccc ccc 643

<210> 166
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 166
 tcaganactn ggagngaaga acaagctttc ccaagggtt ggaaaagaag gggggaagtg 60
 ccgggaacca ntgccttcn ccantaacca ctgggccac ttcttgggtg aaccttcttg 120
 gcaagcaaaa aaccctggaa acccccaaaa gaaggcaagc tttcttcaaa aagtaaaaaa 180
 gtgggaaatg gaaagtttcc ctgggtggaa ccctggaaat tccccatggg aagggaaaaa 240
 gatngganaa aaggggancat ttattgccaa gggaagantg ggcattctct ggtccccttg 300
 ggttgaaacc caanattcca ttaagggaag gaacgggtgc caagttgttg aagggtgggg 360
 acccttggga cccttgggaa taaaaaatgg ggggtggtta aaccaaaagt aatttgtttg 420
 aagtaagggt tgggtgggga aggggaaggca ccgactaaga tgcaaggggg tctaagcttg 480
 aagttggaca aagaagctaa ccaccagggt tggtgggacc aagggaacagg ggggggaccc 540
 tttaaagccg aaaagaacac cctgcccaag atggtggtct ttggttccct ttgacctggg 600
 gggagaaggg cccctttggg ggggggtggg 629

<210> 167
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 167
 ggtgaagcca gatgggagtg ctgagcttca gggagcagct acgcaaagtt aattgtgctc 60
 agcaaagtct tctagattaa gcggctcgct caataaagtt tcttgattct gtccagaaat 120
 cctcaactcc gacaataaga agtgggttga ggggcagttt gaatacataa tcaaaaagca 180

tataattgaa gattgaactt gagctatagc ttcattgtatt gtctctgcgt tgttctatatt	240
taatagttgc atatggagac aataaagcta catgac	276

<210> 168
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 168	
agacgtctgg ggagcctacc tgcattaagt ccanatactg gagagaaatt caagaacctt	60
ggaaaactta ccccaacctt tcttaacccat tggcctanta accnatggan caccctttaa	120
ggaangtggg gcaggaagta acccccggan acccctgggn taaccttggg	180
aatggactan tattggaaaa caacanggtt ggcctttana taacccttcc ggantcaact	240
tcaacttaac nggaaacttc ttntaaataa aaaggtanta atttttttaa agcccaatt	299

<210> 169
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 169	
atttctgtga atagaccaga agcccgacct ttacagtgtg tttggggtgc agaaaacctt	60
ggctgacata ctcaaggctg aaatgcagtc agcggaaatg gaaacacttc aactctgccc	120
ctgtggcaag aatggcttcc cttcagacaa tctggccaga ttctttatgg acccaatggg	180
agaaattgga tgcttgata tacctctcag catctttgaa ggggactga aacttcaatc	240
aaattgggga aagggagccc tgaactttag acctgtttta aatgtgcaga gtggcaactg	300
gcacaaggaa cactttccat ctgtaagaaa gaatacaaag aacttggaac aagaaaaaag	360
tagatatctc atcagtcaat ggtgctgtat aggcattgcac aaagatggag atgtgagcac	420
cgacaagatg gctggcatct ataaggcagg aagagatacc tcaccagaac ccataatgc	480
tggcctctga cagtaaaaatt ctanctgttg nactatgaga aaataaaaatt ctgtggttaa	540

<210> 170
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 170	
ctgaatgaag acaaatctta gccctctgag actgatggtc tcagaaagta gtcttcagat	60
taccagcttc agaatcagct gatgggttca ctaaaatgca gattcccagg ccagtgagg	120
actgaataaa tcttagtttc ccaggcttta caggaacccat ggtgctcagc ttctaaggag	180
gcctcaggaa acttacaatc atgggtggaag atgaagacgg agcaggacac agagtccacc	240
ctctctggag aatgtagcca ccaggcacca tcttggaagt gaagactgga cctcatcag	300
acaacaaacc tgccagtgcc ttgaccttgg acttcacttc ccagcttcca gactgtgaga	360
aaataaactt ctgttcttta t	381

<210> 171
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 171	
ataatgacga ctgcaaaatg gcaggataag gaccgtccaa aaagcctcat tgatgaaagc	60
aatgagaacg ctggcaaaaa tgatcagaat cggctttttc agacctctgg aaattaacca	120
aagatttgca gtgaggaatg aaatttcagt gaaaagcaat atcctagcag ccactggggg	180
ggagaactga agccgagctc ccccaaagcc tcttcccgga gaactgtcat tatctgagct	240
gcctctctgt tccgtggaag actctacttg caagactatc tttgcctgat tgactcggag	300
cttaaccggt aggaacagcc caggggcatt tgtt	334

<210> 172
 <211> 351
 <212> DNA
 <213> Homo sapiens

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<400> 172
aacagttcta gatctccatc gttataaaaag agtattaccg tgttggtgta ccacaatttc 60
tcaagaaaaa cattagctaa gccaagctg gattttgatg gataacatgc tgatggtgta 120
acaaggctgg agcgtggcac atctcacaca tgcaggtgaa caccacaatta ccacgcctat 180
gaactacaaa atcatctaag cagattttta attagccagt tgtttcccta ggatcctcca 240
aagggtgatca atacagtttg tttttttctt ggtggaggga tctcatgatg aactaatgaa 300
tcttaacatg aattgtaagc aaataaataa aatggtatgg ttttaagccat t 351

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<210> 173
<211> 376
<212> DNA
<213> Homo sapiens

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<400> 173
gcatacctca agatcagttg aattggagca cagctggatg gaggcctcag gttaattaac 60
ttccttttgag agcatccaga aaattagcaa ggacatgaga aaccattcac tcaggacgac 120
caatcagcca ggacactccg aaacctatta aatcagattt ttaatcttct aagcctgtag 180
acaactgtgt gacatcagcc acatcctcaa atcttaaggg aaacacgaat acaagaatac 240
atgtgtgcaa ggaatcatgc ataaaaggat tgtgccttca gatcaagtcc aactgttttt 300
atttgtcatc aaatgtgaac ggagatatgg gtactagtcc caggaatgcc ataaactagc 360
agtgaatcac ttcttg 376

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<210> 174
<211> 513
<212> DNA
<213> Homo sapiens

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<400> 174
atatgtattc tgcaatcatg accaaacaga aggactaaat ctggatcaga atctgaaatg 60
taaaaagggt acttgtcaac cagccattg ttttcggtg gagctagcag agcagcctcg 120
gctgcacatt cctgggacgt gaataatatc ggttgtgatt acacttcagt atctcatcca 180
ttaccagccc tgtgaacact gaataatacc taattaggaa atgcgaaggg cccttttgcta 240
gggatgagtg ctggggcagc agaggtccac atgccttccc gacacaggga ttcaccgggt 300
ttcagacaca gggttggtat ctgcagggt caaggacaga ctttactggt ctagtccaca 360
ttccttggtat aatcaccagt aagctgagaa tgtgacacct tggattccat cctatgttac 420
actcctcttt aaatgcattg caaaggagat atgccaggac ttgataagtc aagtcaattt 480
caaataggta ttaaagtatt aaatgaagtg att 513

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<210> 175
<211> 432
<212> DNA
<213> Homo sapiens

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<400> 175
gtatgttgca ttgtacaaga tgaagttaga gtgtgaagca tggaacaaag tgcttattga 60
gccagaaaat actgcccac cagctctcaa ggcaaagaga ggggtgtacga gaagctaatac 120
ttcaaatgag aggtggagac ccagctggca gctagcatgg tgcggcgtgt tggaggcaag 180
aagcagaatc tcagactggc aagatgcaag ggcaggcagc ccaccacag ggaaggcgctc 240
gccaatcttg agcaactcta gaagagaaac ctgaacacat cagaactcaa actaactgat 300
aatgaactgg ttttcattac ttcttgagt atcaggagggt agaattgtct cttacaaccc 360
aatgtatacc attctcagtt gtctatttaa ggatttctta gtgagctcca tggtaaaata 420
tatctacttc tt 432

```

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<210> 176
<211> 387
<212> DNA
<213> Homo sapiens

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<400> 176
aggggcagac ccagggtggga gtactgcagg ccacgcccct cgaagacagc atccacgtgg 60
tcttcggata ctagcaaggt gtgtttggca gccgggtgcct caaggattgt tctggaagga 120
tgacatcact caaggtgtga ggaccacga gacagagcac acgccctggc tccatgcccc 180
agaggcccat ctgaggagcg gacaggcagc ctttcccacc agagtcacca ggggtgaggac 240

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gtctttgagc	cattccctac	tctgagtcac	aacctcgtag	ctgattaagg	ccacatggga	300
agcttcccat	tcctcatact	tcccctgatg	ctctcaggaa	ggacaatttc	gggctgaacc	360
aaatctggat	tattaaagtc	aatttttc				387

<210> 177
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 177						
gttgctacaa	taattccagc	tgtgtatacc	tcctgggac	ataatagaaa	tgaacctctg	60
aagcatctta	ctgaagaagg	cccctacgtt	gactgtccag	ctgactgtct	ctacccgact	120
gctgtccac	acaatatggg	ccaggcgatg	gtattgcctt	tgcaaaactaa	atgaagtacc	180
tcaaagtga	gctggtggcg	acttcagagt	taacttttca	aatggccggg	cttatataga	240
ataacctttg	taaaagtaaa	ctatgatcat	ataataagat	acatgtgcat	ttggaacgcc	300
actgcttttg	gaacctgtct	cagtttttat	catcatacaa	ggttaattgt	ctaattgtcaa	360
ttagatttta	tcacaagtgc	atttggtgac	taatctggaa	caataaaaagt	ctattaaacg	420

<210> 178
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 178						
ggcatcttga	agcagaccag	ccacgttgca	agtgccttga	ggcacggatg	actggtggct	60
gctgttcttg	gagacagaat	cctatagcat	ccccagtcct	gcagcacaca	ggtgggacaa	120
ttccagcttg	atgtctcagc	cagcgggttc	ccacgtcctc	cccgcctctc	ccaggcagaa	180
gacagagtga	cccaggtaac	caggaaaaca	aggccataaa	aaaggaactc	ctactaatga	240
aacctcctag	attccaagga	ggaaaacgta	gctctcagac	caagtccgtt	ttcgcccttg	300
catctgaaaag	ggagtccggg	gaattgctaa	ttttgaactt	tctatacacc	cttctctgct	360
ctggatgtgg	ccgcctgact	cgaatttcct	tgcacaataa	aatgaggggg	aaaaaaaaatca	420
c						421

<210> 179
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 179						
aatacgttcc	agaggacaag	gactgtgttg	ttcatcacag	tattccagaa	cttaaaaagga	60
actggcacat	aattggagct	tactaatatt	cgtcaaaaaa	atgaacaaat	gagggc	115

<210> 180
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 180						
ataagagtga	gcattttttg	aaatgtgatc	aactgacgca	aaatggcagc	aacactggaa	60
ggaagaatca	ggaggatata	ttagaagata	accacagaat	ctttgcaaga	gacacagaag	120
actaccttac	acctgggttc	cacaggagaa	atggctcaaa	atatgttatt	agttgaacag	180
taggaaaaat	gtctatggtc	tcttcagcac	catctgtatg	tagtctctga	gtctccagtt	240
tctcatctat	gaaactggga	taataatatg	caatgagagt	tattctgaag	atcaaataag	300
atagcatgtg	aaagcagttc	tagattccag	acataagagt	aagattaaaa	gaaatgttgt	360
tctcaatttt	cttgtgtcat	tgtgtgtgcc	atctagactt	aaacaaatgt	tactgtgaaga	420
gccaagtaat	aaactaacac	atctaatacg				449

<210> 181
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 181

gtgatttttag	aggaataaac	acccttagcc	gtcagccaac	attttacaaa	tgaaggccag	60
caagggaaag	gagctcactg	aaggcccatg	ctcattaatg	aggaagcaaa	aacaacagca	120
cacagcctct	gttcccagg	ccacgctcct	cgattttctaa	gcgctgttcc	agtccacaca	180
ggacaagaca	tccttttttc	ttctagaaca	acagctcagc	cccacctgaa	agaaagagtt	240
cattgatact	ttttcaaagg	cttcacaact	cagctttttt	ggagacttca	gcaaaataag	300
tcattatctg	gccaacttta	agaatgaggn	ttgctaaatg	tatcagcatt	ctgaggntat	360
cagaagactc	tgcacacttg	catatctcac	aaataccgnc	aataaatata	tagnttcatt	420
tcctcattgg	ttcacaaaaa	aaaaaagggc	ggccggggcc	nttnancttg	gacttaanaa	480
gggtggaatt	tnttaaaagg	gggggg				506

<210> 182
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 182						
gccccagcgg	atggaactca	taaataaaga	gtgagaaatg	caanttatgc	cagangtttag	60
aaagccaggc	tccttgccac	agcaagaagg	ggatagctgc	agcccacgga	gaaggagaac	120
cagtaaagtt	agcaaaagca	ggcagaagaa	gtttctaaag	caacatactc	tgcaaagcag	180
tctgggcat	gtactgtagg	agcaagtgc	cagcagcccc	cgggagcatg	aatggatata	240
gcaactgttg	ttgaaaaaga	acaatcctga	tcaaccaca	tcaaaggcta	atagacctca	300
tttaagaaga	cagggaaatg	taaatctgtg	agatacttca	ggatcatttc	tatcaaaaag	360
cgtttcatat	aataaaggaa	taaagcctca	gttatctgga	agggtcnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnnnnnnnng	gggccggggg	gggccctttt	tttngtntt	aacccggmnt	480
tntttttttt	aaaggggggg	ggccccccca				510

<210> 183
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 183						
gctcggtgac	taggaagagt	ggctgaaagg	ccccacctct	gactcctccc	tgcttctgat	60
agcctgagtc	ctggggggaca	gaggggaagc	cctctgggtt	ccctctccg	tgtgaggcag	120
acagcctccg	cccaggctct	gagggggccct	aattcttctt	aacagacagc	agtttgaggc	180
ttctcccaga	gtgaccaggg	agccagccca	ggagtgggtc	agaatagaca	aaggaccggt	240
agtatccga	tgtgaatttt	agaatgtgta	tatttcatac	ataaaaatag	aaatgtatat	300
gaatgtaata	tagattatat	atattattat	tatgtaaaaa	cagtatgtgc	acatgataaa	360
tgagcatatc	tacgtctct					379

<210> 184
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 184						
gaccacctg	ccatgctgtg	aggacaccca	ggccacatag	agagagttag	gccacatgta	60
ggtgttacag	ccagaagccc	cactgaaaac	caaacctgca	accagcatca	actgccaaaac	120
atgtactgaa	gaggctgaga	tgattccagc	acttggtgat	gactgcaacc	acatgagaga	180
cccagagcaa	gagctacct	gctgagccca	gttactccca	gaatcatgag	agaactatgt	240
aattgattgn	tattactata	taagccactn	ngtttncntn	tgatatgtta	tgacgagta	300
gacagctgga	acaggag					317

<210> 185
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 185						
gtgcagtga	caaccacgac	aggettcaca	tcatectacc	tggtcagaag	ttgccaccat	60
taggacaatt	aattaaattc	aacagtaaag	atgctgccat	agttaatgaa	tcattgttttc	120
cctggagctt	tccacctatt	caaaggacaa	gtttcagagc	ttggatgagg	agcaactatc	180
ttatgaacac	agagacattt	gtcagtttta	aagggtcaaat	tagatttttg	ctcaggttcc	240

cacccaaatg	atagacttga	aaatcaggat	ttatcaaact	atgttctaaa	ttatttcaac	300
atatcgagtg	tattagtctg	ttttcatgct	gctgataaag	acatacccga	gactgggaat	360
aaaaggagga	ttaatttg					378

<210> 186
 <211> 688
 <212> DNA
 <213> Homo sapiens

<400> 186						
ggntccccctc	tgttgncan	ggctgggnagg	cnnggggcg	gaaccttnnn	taactggaac	60
cctgggcntc	nggggnnnaa	ncctaatacng	cggtgncntc	gggcctggcc	aaaggaagcn	120
gggggaattaa	caggtccggc	gccgtcaccc	aangccccgg	ctaaaattat	tttggcaatt	180
tttttttggt	agaagaacgg	gggggttttt	ngcgcattgg	tttggcccaa	gggcttgggn	240
cctacaaaaa	antccctggg	ccctcaaagg	ccgaatccca	acccccggct	ttcgaacctc	300
aacccaaaag	gtggcttggg	ggaatttaac	caagggccgg	nggaagcccc	acccggccgc	360
cccggggccc	aagcctggga	ataagtnnct	ttaagtgaat	caaanatgaa	cctggngggg	420
gctggggaaa	ccctcaagg	gggaaggggg	gccctnnacc	cttctngggg	naaaacnnat	480
cctgggggatc	ctggacaagg	gggncctttg	gcttccattc	accccaaggc	ctcaaaagt	540
gaaagggggg	caatgaancc	tccgggctca	acctggcccc	ccttggaccc	tnccctggaa	600
gcctcnaaaa	gggaancctc	cccancctca	agccctcaaa	ggaanaannc	taagggaant	660
gganggcnaa	gganaccaat	tgcccccc				688

<210> 187
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 187						
gtgactgcct	aatgttaaca	aagatctgta	ggaatgatgg	gaaggggcac	tggtacttnt	60
ctcttttcta	atccttcaag	tcatacctga	agatccgcag	tttttctgga	gacagggtgaa	120
gtccagcccc	tgaaagacgc	agacagtga	gagagaagag	cctacgtttt	tatatTTTTTg	180
tcaaggtgat	gtctcaagca	aaatgaagt	gtttgtggct	gaaacaacct	ccacgggaaa	240
gaaaactgga	gtgttcgttc	atccatcaaa	gaacaaacgc	caacgtctga	gccaacgacc	300
ccagctcccc	cagacaaagc	agtgaacaga	ttaaaggatg	ggaggaagga	tacaatcaaa	360
atcgggtggt	gatggctggc	agataaaaaat	atggaacgct	tcac		404

<210> 188
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 188						
gcagaaggcc	ccanaaggnc	cgcaagaact	ccccanaaag	gccngcaatn	mntccgncaa	60
gaagggcccc	gcngaacntc	ccgcaagaag	ggccccgcaag	aactcccga	gaaagtccgc	120
cacacangca	aagggaaaaga	tgccctccgc	gtccaaagccc	ggcttganat	gagcaggccc	180
gangagccaa	tggcgcaaaa	gaagngnccc	ggtnntcccg	atcggnant	cctcataact	240
ttncctttcn	ttctggacca	aggtaaagcc	cacaagagnt	atgggaaaaa	agncttggg	300
gggaaaggaa	ancnggtggc	cggaagtcc	ttcttcccaa	ccaagggncc	cactnaattt	360
atngggagga	aacccaaaaa	ggcgtttttt	cccttaaaaaa	cctggaccgg	gggacaaaaa	420
tccgaanngn	aacctggacc	cacttgagn	accattggga	cctttcccn	taaacctttc	480
aaaatctngg	tgggaagaag	aagggccctc	aagaaggtcn	ntccactccg	cctattntca	540
atttatcaag	gg					552

<210> 189
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 189						
acttgaact	tatgtttccc	ttttaatcac	aaagctgaag	aatagacaac	tatacgacct	60
atcatgaagc	aggaagaaaa	aaaatcatcg	acatttttga	ccatgcaaat	gagcattttt	120
tttctgcaga	ataaactaag	gctaacaaaa	aagacaaaaa	caactgatca	ttcgtatgaa	180

aacctaatta	tttgggtgat	ttttcaaaaag	gtggtcagct	aattatgtgg	tatcatctgg	240
accaatgttt	tctaggcaag	cctagatggt	caacttttga	gagagtttat	aataaagttt	300
gatttgttta	tgcatac					317

<210> 190
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 190						
tgetgctttt	agaccagtcg	cacaccaggc	cgaagaggtg	agaggggtgag	gtgtttccca	60
caagaacatc	cacatcctca	ggatggatgg	aggagcaagg	acgagaaccc	ccaacccccg	120
agacagtttc	tggctccttc	cttccaagaa	gccctacaca	tgatatccac	gttgaagccc	180
tcatgcaaca	agctactcat	tctctttctc	aaaggaagtg	ctgagtgtct	ggcaagttag	240
aaagaatgag	ggattcttct	actgggttac	ctggtcagct	ccgaggagag	ttaaaccagg	300
aaaagtagtt	caggctggta	tacctccctg	tttgtccttg	agggcaactt	aaaagcacta	360
tttacacaag						370

<210> 191
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 191						
catgccatgt	ggacgtgacg	cctggagata	tgcacccac	cttataatca	ggaggaagaa	60
tgccacgtgt	ggaggatggt	gccacaggaa	tctggaagag	ctcgatcctg	gacgacttgc	120
tcaagcagct	gcacattcct	cctgccacct	acttctggat	atttgtttag	gaaactggca	180
tgagcatata	catccattca	gaggaggtga	aagtggagtg	actgatgcta	gaatccccac	240
cttctgagtc	aacgggtccag	agaacaaggc	caaaacagcc	acaaatactt	ttcaggcttc	300
aggatcaaat	tttttattct	tgaatgatcc	aaacacttta	agaaaaataa	agtttctaga	360
ggaaatcaac	aaaagtgggn	nnannnnann	nnnaannnan	aaaannnnnn	nnngggggcg	420
gggggggc						427

<210> 192
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 192						
ctttggtgtc	tgcacagtc	cacacgagcc	aagcccggct	tgcagggtca	agctgtcttt	60
tcatagtggg	aaaaagctga	tgaaaatcct	tcacacagag	gtgttaagag	cttaatgatg	120
aacactcccc	acctgagtta	taatttcaca	agaatttgaa	ctttattttt	ctgcggagag	180
tcacgtgatt	tgtcctgcgt	gccaataaaa	ctactgatgc	cagctggcct	gaagaactcc	240
atgaagatct	gactgactaa	agaatgcagt	ttccaatcct	ggtgatttca	tcccccttat	300
cccaagcagt	caataacttc	tactttccag	cctcttgctc	tccacgatcc	ccttaaagac	360
tctagcccaa	aactccccag	ggagatggat	tgcaggattc	ctctgttcgc	tcaactcagcc	420
actctgcaat	cattaaactc	ttttctctgc	tgc			453

<210> 193
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 193						
tctgtgtcat	gctgccttct	gtagcaacaa	cggctgntcc	ctgnttntgt	gccacatgcc	60
aaactattca	acatntgcac	atactctcct	agtcactctt	aagggtgttt	cataatgaag	120
aaactgaggc	cgtgaggact	gaggggcaat	gctgcagcaa	tgtcaagtcc	attcgggtga	180
ccacgtgcct	tccatctcca	aagacacagt	ctgtgtctct	taaataacct	ctgacaaact	240
caatgtgcag	aggcaagata	gagcaagtgt	ctgctgcaaa	ctcaccacca	gtagtggatt	300
ctaagcccan	ctncctgcc	atgattcttt	gcagggncac	agcttctgtg	cctgttcacc	360
tagggctggn	tnaccacagg	gangganent	gattggggaa	aagcattggc	ngtnncagaa	420
tggaaaangg	gacctcaaaa	ttttgtctta	ggg			453

<210> 194
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 194
 gcttttggca tctccattca ttccggaaca gccagtcagc cctctctgct gtgtcccaga 60
 gcaccaggaa gtgagtaaca gtcctagagt gagacatgga ggatacagcc aagtatcaga 120
 ggagtgtctg ctcgctgctg cttctacacg tcaccgtact gggggaatcc tatgtgaagc 180
 cgccccatgt cctgtctgcc tggataactca ccatgcagat agctctctgc attcagcagg 240
 gtctggctta ggccctctcc tgggggcccg agaccctctc gttcttctcc agaccctgca 300
 gaattctgga gaggagagga aggtggaaca cacactttct tinctgtttt ctanggtgnt 360
 ggggcatctc tcttcttctt ttaactacga acttcacagn ccaaccactt tctctttttt 420
 acaagccctt tggggctcct caagaaccaa agtaaaaaaa agctttaaaa atg 473

<210> 195
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 195
 ccattgacct ggatggacct aggacacaca ctaaaggaca catctggatt caccaaggag 60
 ctttttatat ctcacaaaat agcatgttgc taataagaag aataaaatga aaccaaggta 120
 caaaatg 127

<210> 196
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 196
 agaaagaacc ttcagggnntn gggaggtggg ncttttctntn cntnaaaacn atgatncctt 60
 ggggtganccg nnnnggattgn cccacaancc ccgatggaaa cattcaanag gngaatgcct 120
 tgctcanaac cccctggcca ggcttaggag ggaaaaanta tgctttccaa cnttggcaag 180
 aaattgctgc atccanaggc tgcagaagcc ccgaggagca tgaacatgct ttggaagaat 240
 angcgtgcc ttgagtgaca tctgaacca gacccttaca cacacanctt tcattggtgg 300
 cttttggggt t 311

<210> 197
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 197
 caactgtgga agtcaaggcc agaaatcact cactatatca tctgatattc ctctgatcgt 60
 tataacctatt ctgagtgtta aggaaatgag accagttgaa acgtccacat taaaataaga 120
 agaaggagag aaggttttct aattgcagtt aatgtcatcg ttaaataaag aatgccataa 180
 aggaacgaga tcagcagtga ccttctgcac agtttccaaa gcctcgccaa cctacctccg 240
 tgtcctggtc tgacttatgg cagaaacaga agttcaaaga cctggctgat atgctccgtt 300
 aaaaaccctt ccacaacgca gttaacattt tctgntttct gactttcttt ttctaaagag 360
 atgcttaaaag caaaaaangg ttcttgcccc aaaaatgaca ttaatatattc gtaaatcaag 420
 aactaagata atggtttngg ctgctacaga gaccgttacc cttatgcggt tatctnaaag 480
 cttttcgatt aaaacac 497

<210> 198
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 198
 atctgaagag aagagaaaacg tgaggggaaga acaggcgggtg gcagccggaa gagagtgggt 60
 ggaacagtcc ctgcaactct tcagagaaaaa gaaagggggcg ctggcccagg cccaagaagt 120
 gtccctgggg gccgatgtcg gcaggaatcc ccgcactctc acatgcggaa ctgagagaaag 180

tgcttggcag	attcaatcat	acagtgaactc	aaatgtcaca	gcatgactat	agagaaagaa	240
taatagtggg	agcatccccg	ccaattttca	acagaagggc	tcaggataag	gaagcttaag	300
aaaattgccg	aagagaatga	taatgacaat	aataaaaaa	aatagcttcc		350

<210> 199
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 199						
caggtgaata	aggtgggatt	tgaaatcagc	atggcagtgt	ccagtgggaag	aagggagctg	60
aagtttcttg	aggatgaata	taaagctggg	ggagttatca	ttgagcctaa	ctctctggtt	120
tggaacccat	aaacccaat	caatatacct	cccaagttta	caatagaggt	gagtatatct	180
taccttactc	catttccatc	ccaacttccc	cactttgtaa	actttcagaa	ctgacttatg	240
gaggtttata	acagccagat	atcaaaccac	tagac			275

<210> 200
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 200						
agaaagagga	aaggaccagg	agtggcgacc	ggcaaaccac	agcttgtgtg	ggaaggaaat	60
ttgacatgtg	atgcaagcgg	accgtttgtg	taaactgctg	ggagattaac	aacaactgtg	120
agtgggaattg	ctgagtcatg	tggcaaaacta	ccagtctctgt	tgaacctcag	ggccatcatt	180
ctgttcatgt	cagctcggtt	tagaaccaca	tcgatgaaga	ccaagatggt	aaagatgaaa	240
aattgtagct	aacatttact	gcacatttac	tacaagccaa	gcattgcact	atgaagttta	300
agtgcattat	tcattaacct	cttcaataaa	atttgaatt	ttcacttcag	aagc	354

<210> 201
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 201						
gttggctgat	tgtggaggct	aaagcaactc	taccttgcca	gcttatccac	catgtggact	60
tctaattaat	ctcagttgcc	ggaatgcctc	taagatttct	acgttatcta	ctgtgaagag	120
caagtaatta	ctgcaaatcc	tgcccttggg	tcaaaacaac	cttgatgaca	tattccttct	180
gaagcacata	tactctttcc	ctaggtatat	aagccttggg	tctgggggct	aacggtgacg	240
ggatccatca	tctcacagcc	acccaagaca	tggcttttgt	tcaaaaaatcc	ctattaaatg	300
tttcattctg						310

<210> 202
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 202						
gtggttacaa	ctgtggcccg	ccactgtcct	aacaagtcag	aagagagatt	ctttgccaaa	60
atcttcaggg	gaaacgacac	gagtaccctt	tgcttttcct	caacgaactt	cccttctact	120
taggggtttta	gggcatttgt	acaaatgatt	tgctccttgg	gtctgaatct	tggggatggt	180
tatcattttc	gttgctttca	gaaaatagtc	tgcatcttcc	tctattacct	ggaccatttt	240
cctggctttt	taaaaaaaaa	ttattattca	aatggaaaag	cggcgagccc	agaatgagcc	300
gacgaattga	gctcttcctt	ctctcgaaca	cgggggcacc	tctacccgct	acagacttga	360
agattttact	cacttccttt	catcccctcg	ctcgggtttg	gagggtaggg	gcatgaagtg	420
gntgaatcta	aactggcaga	aaacct				446

<210> 203
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 203

gttcatatca tggatcccat tttatagatg ggaacactga ggcttgagtt tacacgagaa 60
 tttgctgaag aggagaagga aaaaaaaa 88

<210> 204
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 204
 ggctttttca ctcattccct angcatgtgg gacctcnaag atgccgaatc agctaaacgg 60
 gagngggctt gagtangatt tgctgccagc taaagcgtga gatgctattg catgtgcaag 120
 gcaaggcttt cttcancggc atcatcttnc aaaatagccc agngagcatg cttttctcct 180
 gaaaaataaa aaatagttgg tgtttactgc g 211

<210> 205
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 205
 agttcccca gacagaggt caggaataa gagctgagtg agacctcca aagcagatca 60
 caaagagaag gggacactgc accatggagg tgacacaggc cagtggccac ggtgctggac 120
 ctggggctga gaggaccac atgtatatcc tggccgattt aggtatctta gactttctgt 180
 gcttcacttt ctttatctgt gaaatcagca ttctgatcat gactaaataa aaattgctgc 240
 cattg 245

<210> 206
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 206
 gggtatcctc acctgtgata atcctggaat cacacttctc tccgcgtaca tgctggcaga 60
 gctcattctc tccacttggg aaggaggcta caacttacag tgtcaagatc ttaccagcgc 120
 aggggaagct gacatccgga ggaccaactg aataaaccac agcacatcca cgtagcggat 180
 gctctacca agtggagtga ggaagagctc tataccgcta cagaattgtn tctgggatat 240
 agttacatga acaaaagcaa cttgcagacc gtgtttatag gatagcacc tttgtgcaat 300
 aatgatatg aatgcaaaaa aaaaa 325

<210> 207
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 207
 aactgtctac tggctgcaga taagagaatc tctttatggg ggaactgaaa acagaagaaa 60
 aatcaaggga taatggcatt tgagggttcc tcaatgaccg cccagccaca tcacaccgga 120
 gtggagcccc aacctgagag gctcttacct agagcttcca gtcggcattt cagtggatca 180
 cttttaaaaa taaatgggtga tggggtgatg gaaatgctac ccccaaaata cg 232

<210> 208
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 208
 ccttgaatat gagcatgctg catgctgcag cagtatatag tgatcaaagg caacaagcca 60
 aggatgatgg aagaacaaga gagaagcagg ctggttcttt gacattggac agccagagtc 120
 ccagccctgg atggcctgtt ccagacatct tgtcaagtg 159

<210> 209
 <211> 329
 <212> DNA

<213> Homo sapiens

<400> 209

gggtgcgatt	tactggtgat	gagctctggg	accttcaata	ctaccagaag	attgaggaca	60
tatcagggga	gacctgttgc	ctcacttttg	tcccaatgta	tgacctgttt	ccacagagaa	120
acatgcagga	gaaattgcac	agatagaaga	actgaattaa	caatctccaa	gactgctgag	180
tggttttgat	ctgccttgct	tactttttca	gccgctttat	atgctgaaat	gtttccagtg	240
caaccagaag	tttcaagtgt	aaaattctgt	ctttcctctt	ctgttatatt	aagcttttaa	300
gacaccatac	ataanagcaa	ataaatgac				329

<210> 210

<211> 133

<212> DNA

<213> Homo sapiens

<400> 210

agatgggggt	ttgccttgnt	accangctg	gataactact	cttgatgaca	taaaatctac	60
tgnnngcagn	aaagacagan	agcatncacc	ctaatacctt	agttatgaan	actacagaat	120
cagtagaaga	aca					133

<210> 211

<211> 270

<212> DNA

<213> Homo sapiens

<400> 211

gttctgcatg	ctgataaaat	gatcaacacc	tgctggtctg	aagggtcag	caagaaactg	60
actcatggga	gaatgcactt	tccatattct	aatgacttca	tccccttac	cctgaccaa	120
cgataacccc	aattttctaa	ccccttgccc	tctccaatcc	cctgaaagat	ccttgcccag	180
aacccctcaa	tgaaatgaat	ttgagtctcg	agaattcctc	ctgtttcctc	attcagtcac	240
cttgcaatta	ttaaacaact	tgtctgctgc				270

<210> 212

<211> 355

<212> DNA

<213> Homo sapiens

<400> 212

gtggagagaa	cagcatgtgt	gaaggccag	anccggcccc	cggatctttt	canaatgcat	60
cttggtcagg	ggaggatggg	cggccaggac	acatgcatgg	ccccctggag	tcgtgcagct	120
gctggccttg	gtgggacttg	ctcagggact	cactgctggc	cttggggagn	acanaactca	180
nggcnttgtg	attccgaaga	ncnnggtctn	ncncctgcaa	ntgccgttnn	cagaatngnn	240
cccacccag	gaggatcacc	catatncaac	ncnnggagca	gntcagcca	cnctnnaaac	300
aagggggaaa	cgccaagccc	attacattag	gacttttccc	tgccatcact	gggct	355

<210> 213

<211> 397

<212> DNA

<213> Homo sapiens

<400> 213

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catacatcca	cagccccagt	cggctgtatc	catgaagagc	tgaatggaac	aggatgactg	120
gcagcccacg	ccaagggcca	agagatgtga	aggtagaagc	agaagtttag	aatgacctga	180
ggaagaggtc	acaagcccag	gaatgccagc	agccactaaa	agctgaaaaa	aggcaaggaa	240
atgagttttc	ctctgaagct	gccagaagga	acaagcccag	ccaatgcctt	gaccctagcc	300
cagtaaaatt	gattttgaac	ttccaaaaaa	aaaaaggncn	gngnggcca	ttnagntngg	360
acttaaccag	gnggaacttg	ttnaaaaggg	gggggggc			397

<210> 214

<211> 141

<212> DNA

<213> Homo sapiens

<400> 214	
gtgttgagtg ggtccctttg gctggctgct ctatgaatgc tgtccttcgt gcataagaac	60
tagtctaagc tcccaaagaa ctggatgcta atccctgtcc tgataactaac tcaccctggg	120
acattaaaca ggtcaaaaaa c	141

<210> 215
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 215	
ttcctcctcc tgccatgggt tgactgagct gaacaaaccg gaaactttct taggaaccgg	60
gctatactat acatgtaatt aaaagttaat tatctt	96

<210> 216
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 216	
aaagaaaaac tacatggaat gaggaatat accactcctg ccttcaaaat cctcttcgtg	60
aggttttatag aattcctaag aactcaggaa agacatcagc agagagcaat gatcgtcata	120
gccagctcca cacagaatgc acccaccag ctacttgctg aattacaacc tgatgatgga	180
tccaccagaa actaagaatg gaaaggttat aaagaaatca cagcattcat cttctggaag	240
aaaaagacta tttcttagaa agtaaaataa atgaataaaa gcacttaata aggagcataa	300
cgcg	305

<210> 217
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 217	
ctttctctaa ggaagtgaca tataagctga gcctgaaaga tgaagaggag cagattgtat	60
gcagagcaga ggggaagagca agctgatgga ggtgactaat cagagggcct gatggtcaag	120
tgctcaaggt ggagttaaag gaaaccctgc tttcttgaca tcaccagctg ctcagaagcc	180
ttcagcaggc atcctagacc ttctccttct ctaagggatg ggctcacct actttcttca	240
gctgagacct ggcacagacc cttggagctt ctaaggacct cattgtagcc ttgggggtgga	300
ggcccatggc accactgccc tctccctggg ataaaggctc tggggccact tctcaaggct	360
gggncccttt nttaagaagg aaatgnnttt tcccaaataa cctnctcttc ttctttttc	420
ttcacc	427

<210> 218
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 218	
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ccagaattac ctcagtatca tagcgtaggt gctttggaga aaactgactc ctccatgcaa	120
taagtcttca gttgctttta gctttaagca cattctttca gtctctgat cactgtcatt	180
tgtccagggg tgggcatgga ctttagtggt accaaaaaaa atctcgcat cctatttgaa	240
atgctgagac agaagtacag gctctcactt tctctgcagt tggcagagag ggaatgtggg	300
ctcgattgct tctggcaaac attgtgcaag tcatgttggg aaaggggact tgaatgaag	360
cgaagattcc agaaaacaga acaaaccaaa agaaatggtg accactataa ctggcaactg	420
tggagcctgc cctatctt	438

<210> 219
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 219

gaacactatg	aaaagattgc	aaaaccaa	catgagaagg	ttagattcct	actgaaatga	60
aagatattca	tggatattgg	aaactcttat	aagcaagaag	tccgaaaagt	tcaagatact	120
tctgtagaat	ggtttaattt	aaaaagtggc	tgctatcctg	gatgggggtta	agaagctgct	180
ggtactctgc	tctggatctc	cttcttccct	gttggtctcc	tcccaacaaa	taactctcat	240
cttcaagtct	acaaaaagcg	gctgacctta	gtagcataac	ctctaaacca	aactcaactc	300
ttaccttctc	cataaagctg	ccagaaattg	ctcctgcccga	gagtaattta	cctcttacac	360
accactgtta	tttactgtg	tgggactgna	ttcccaanta	aattgagaat	gtctaataga	420
tttt						424

<210> 220
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 220						
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tcaccccgca	tgagacgtct	ggcaaaaata	gaaggctctc	gcaaaaccta	acaaccaa	120
atgcaaagcc	ccaaatgaca	accaccacct	cctcgaacct	cagaggtctg	ggggcgctcg	180
gctggaactg	gggtttaaaa	aaagaaaatg	tttacaaaagt	ataacaagat	gtttgatggg	240
tggaaaaatg	tatccacgag	ttacatcccc	ccgtttcctt	gcaaagcccc	gctgggtcttc	300
ctctcctttt	cttctgcc					318

<210> 221
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 221						
ccttcagact	tggcctgaaa	cattggctct	ccttgggttg	tgagcctgca	ggtcctcaga	60
ctgaaactat	ccatcagctc	tcctgggtct	caggctcctg	gattcaagct	ggaagtacac	120
atcaggtctc	ctgggtcctc	agcttgatga	ctcgagatct	tgggaattct	cggcctctat	180
aactgtgtgc	cccaattccc	tataataaat	ctttgtcttt	ctctccc		227

<210> 222
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 222						
gtcgaaaatc	ttccccgctg	atataaatat	ttgagttggg	gagcagagct	tcagggacca	60
tgaagaaaa	gctgctctgg	ggacactaat	tgaactttca	tctagcaggt	cctgtgccct	120
acctactcaa	gaacaagttc	tgtttgatga	agaagttaca	cagctgccaa	gttccctcat	180
tctactacct	atctaccccc	aaattcagga	atgtctccat	atgttgacta	tgengacttt	240
ttcagtgtcc	tagtggaacc	acagcttaaa	aatgggaaa	tggaggcagt	cccatatggc	300
agagtctccg	atgtggaatt	aggcatcggt	ctccaaaagc	cagcctgcag	ccctttggag	360
agcttactaa	actataaatt	gtcaactgta	ttacatgata	aagcagatgt	gtccatacac	420
taactctttt	gctaataaat	gaggntctaa	ttccaaaaat	ag		462

<210> 223
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 223						
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tgctattgaa	gcaccttaat	gacataaaga	agaagaaacc	aatgaacatt	gttatatatt	120
tcattttaaa	ctgatgtaga	cattttgagg	aaatctgcat	tttgaaccag	gttaactgtg	180
gaatgccctt	ggccaagagg	aggggtccat	ttgatgattg	gatggcctta	gaatttat	240
ttgggttaata	gtgccacaca	gctaaatcca	agagagtgtc	ttagaaaata	aactctggaa	300
acatatattga	gaaactaata	agaatgatta	actgtagagg	gaagtgtcag	gcctctgagc	360
ccaagccaag	ccatcgcatc	ccctgtgacc	tgcactatat	gcccggatgg	nctgaactta	420
ctnaagaatn	cccaaaaagaa	agnngatttt	tgcccttgcc	cccc		465

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<210> 224
<211> 184
<212> DNA
<213> Homo sapiens

<400> 224
accattagaa tgtgacctct gtgaagacaa cagaaatgga ggaggcgatc catgggcatac      60
ttctgaagct gttttggtta actttgattt ggaagtcctg gttccagggt ctctctgtttc      120
ctgggaccag ctccagaagt tcattatatt cataaataat aaatgaatgc atactaggga      180
ctgg                                             184

<210> 225
<211> 124
<212> DNA
<213> Homo sapiens

<400> 225
tcttaacctt ttgagctccg ttcagcctgg ttaagnccaa gctgaattgg ccnattcctt      60
tngccntttt accctggaag aaatactcat aagccacctt tgttattttac ccccaatctt      120
caca                                             124

<210> 226
<211> 374
<212> DNA
<213> Homo sapiens

<400> 226
atgaagatca ttgagattag agaagaaaaat gggatctggc caaggacata caactaagaa      60
atggcgggtgc cacagatgga gaaactgaca ctgagacagg ccaactgatc tgcccacatc      120
aacgagctaa aaaaatggca aggccaggat ttggccctag gcctgcttaa ctctgaagac      180
catgtgcccc gtctcctgcc aggccattta catcctcagg aggattgctg cagccccagg      240
acaggcgatt gcctttttacc accctcctgc cagaccacac tgctgctgtc cctgctcctg      300
taccctactt ttgctggggt gaaaaggggtg aaaggggtac ccactgctt gttgtacccc      360
accccaaatt ttgc                                             374

<210> 227
<211> 318
<212> DNA
<213> Homo sapiens

<400> 227
atgcaatgaa attaacctct ccttccaaga acagcatgca ggcagctagc tggaaagact      60
cacacttgag tgaatagcga cagctcgccc cttctgcgct ttgacgctgc tgtctctact      120
ggccacttgg tctaccagtc agttgtgccc tgtatgtacc cagccatggc tgggaagact      180
cacaaccaca agattgccta tcagtaggaa atacaggaaa ttacaggatg ggtatatgag      240
acatatgtgg tggatataaa gctcaatagt agtgatacaa gtgtcatatt cagaaaaataa      300
tataaacttt cttgctat                                         318

<210> 228
<211> 502
<212> DNA
<213> Homo sapiens

<400> 228
gcccagaggg gactgtggac ttggtgccag aaaagaaaaat gaaaagcaaa agttgaatct      60
ctgcggaacca ttctctggat gctgaatgtc ccactattac atctcggcac gacatttcac      120
ggccagcagg ggaggaggcc cagtcctgaa agctgaacaa acgcccggca cacaggcctg      180
cctgcgcctt cgtagtctct ctggacttat gaataaaaga tggaggtttt gtctctgttg      240
tttccttggg accctgtaag aataacaact tggtgctttt tgacatttta acttactttg      300
aaaaatgacc aatattaact ttacatgtct tggcccttaa atctggagtg gggtaaaatg      360
aaagaaacaa aagccatgta attangnaga agataataat tcaaggtaaa ctaatgaact      420
gncctgnacc actttattaa aanatggnng gacatgccat ccnaactaa aagnttaaac      480
ctgacttggg ggaaccttgg gc                                             502

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<210> 229
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 229
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 actgaaattg gagtgatgca gncacanncc aaggaatgcc tggagccacc aaaagntggg 120
 agangcanga natagactct cttctatagc ctgtggagct ctggtaatac cttgnttttg 180
 gatttctgcc ctccagaacc atgacagaat aaagtctctgt cttaagcc 228

<210> 230
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 230
 ctcttctntc aaaaagtggg atccaagtgt tctacccttc acaactgaac tggctacatg 60
 acttgctttg ttcgaaactgg ctgcatgact tgctttgttc aaccaaagtc tgcagaagtg 120
 acggtgcaac acttccaaac ttaagaggct ttgcatgctt ccattccctgc tcttgatttt 180
 gagccacccc tgtcacacca gtcaataagc tggctagctg aaaaacgtat aagtgagcct 240
 gtgccaggcc agccagtgtt agctgacttt tcacctaact gcagacacat gtgcaaacc 300
 aacccaaata agccaagcct gaccagctc aacagaacta tcaggtgacc tatagacata 360
 cgaacaataa taataaaaca aaacctaagc cactc 395

<210> 231
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 231
 gtttcccaaa ggatccaaaa aactgagagg gaagagattt ggggaagatg tcaacttttcc 60
 tcatctgact ttgccttggg gtcagatggg agaatgactc ctggagaaca cttagccttt 120
 tccagctttc cccaanaaag gctggcccag ggaggcttct ataaaccttc tccctatg 178

<210> 232
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 232
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 tggcctcngt ggagccgntg gaccacgtga cccggatgat gtacacctgc gggagcaaca 120
 aaangagatg ggtgttaaca ccagaagggtg gtctcccaat ctctgggacc cagggggagc 180
 ncaagactca nagtcanaaa gacgtgggtt tcaaccttag ctctgccaat gactggctgg 240
 acaagttgct tgctgtaagc ctcatctccc tcctcaataa aatgagtgtg ataaccccc 299

<210> 233
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 233
 gngaggatgc naaganaaaa ggtggctgnc tgnaaccagg gagggagaan ccttcccagg 60
 gaccaatcta gcttgaactt ttgactttgg acttcaacct ccagtattgn aaagaaataa 120
 atatgttttc aaaagtc 137

<210> 234
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 234

agatatgggc	tcactatggt	caagtctaag	actcaaaactc	caggactcaa	accatcctcc	60
cacctcattc	tctcaagtag	ctgagactac	agggatcgaa	agatgaagaa	ctcttggtga	120
agctcataac	tccttaatta	cttattatta	acagtgaaaa	tctgattttc	aaagttgttt	180
aatgggtcatg	caataaagca	atgtaagacg	actgcc			216

<210> 235
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 235						
gtctttggac	ccagattgga	actataccat	tggctctcct	gggtttcaag	cttgcttgct	60
gactgcagat	cttgggactt	ctcagcctcc	ataattatgg	gtgagaagca	ggagctcaga	120
gaaggtaaaa	gcatcaaaat	caccacagca	acaaagattt	ctcaggaaat	tataaatgct	180
gagaacagtc	ttgttttctt	tgcgttgga	ggtgactcac	tgcataagata	tgatcatctt	240
cagagcctca	ttatagggtt	agcaattaca	ttttaaaaat	t		281

<210> 236
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 236						
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tcacagtggg	tggtacacac	atggcaaaaag	gccaagagta	gaagcaccgt	cattaggaaa	120
aggaatcagc	caaggtccca	ggcaagaaga	ggtgaggcaa	atggaggctc	tgaggaaagt	180
ggctccaaaag	cctacatgat	ggaagataac	tctggaagag	aaagagatga	ccgttcctaa	240
gcttgtagat	caaaaacttga	gagaaggtaa	cgaagatgtg	acatctgaac	tcagagaaat	300
ataacttcta	tagaaaagaa	acaaggcctt	gcagctctat	aaggaacagt	aaataaatca	360
agtatgcaca	caagaagtaa	aaaaatatat	ccnagtagaa	aggaagcttt	tcattgaaat	420
gnccccagaa	ctcatgctct	tgganggccg	ggatngcaaa	atcaagnntt	tttttaaaaa	480
ctcctacccg	g					491

<210> 237
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 237						
aggataaaaa	agaagtaaga	aaatagagtc	tctgaatata	gatctttcaa	ctgaaaaaact	60
gggctgtgaa	gcttttggac	tcgaagtaca	gcctttcctg	agtctccagc	gcaactggcct	120
ccccccatca	gattttggac	tctccaagct	tccacaagca	caggagccaa	ttccttaaaa	180
taaatctgtt	tctatatcc					199

<210> 238
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 238						
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gctatgctgt	gtgacctcag	gactggggccg	actgggagca	ccatgtggag	aacagagaca	120
aactggagtg	ccttggggag	gaaggaggag	agcacagtct	ctgagtcagc	catgaggcag	180
agcaaataca	agtgggtcatg	caggaagaag	agtgctggtt	ctgcggggtc	ctaagagggga	240
gatgtacggg	gggtgtgctt	tgttcaatat	gacaacacta	cc		282

<210> 239
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 239						
attgagcacc	tgagagtctc	aagtaacaca	cctgggttgg	ctgctttgct	gaagacactc	60

cgtacattgt	gacttgttgc	tctcaccatc	aacaggaatt	gggctgtgca	agcaattctg	120
aaagaagtgt	tgtctactgc	tgtgaaagtc	atcaacttta	tcagacccca	gtcctgaccc	180
cagccttttc	aagaaatttt	gtctag				206

<210> 240
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 240						
cacttggcac	tgtacnaaac	accttcatat	ataccctgtc	accctgactg	agcaggatcg	60
ctcagttcca	ttttacagga	tgaggtgaag	acttttcaaa	gccagagctc	tacctgata	120
gcacaccgtc	aggatgttca	ggaagagcct	catgggttat	tacagctcag	gatgcaccca	180
gacactgtct	ccatggcctg	cggagctgct	ctctgaggac	tcacttcact	gccccctcatt	240
tcccaggctc	atggagatat	actacctgtc	acctctgggc	ctggagggca	gatggaggta	300
agatgcaaag	gaagactgcg	tcgtcaaagc	agatggaagc	attccctaac	acctggggcca	360
tcttggttcc	taacttaatt	actaaagaat	aaggagatt	tcaaagnaaa	atgnncagac	420
atttgnttat	ttgaacataa	aactgggggc	cnccaccag	tattttggta	ac	472

<210> 241
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 241						
ccttgcaaat	angtgatttc	ctgccagtc	ctgcctctgt	gaccaacctt	gattgttcaa	60
agtatagctc	tgcaagcagt	ggctacggac	agtttccaac	atgcaagttc	atctccgacc	120
ccacttcate	attcctcctg	ccccacgac	tcttgatgc	tatgctgaat	tgttttggta	180
cctttgggtt	gtgagccttc	ttaaaccttt	ctttcttcta	ctttattatt	atcattgtat	240
tataaaagca	atagatgtc	attacttta	aaaatgtaaa	agc		283

<210> 242
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 242						
gcactgtcct	cataagtcca	caggtctcaa	actccagcat	ctcagaatga	aaggattcac	60
aagtgtcac	aagaggcttg	gctgccagg	gaagctccga	cctgaagatt	tgaactaatg	120
agggactata	aaggccaaga	ccttgctcct	gccattttag	agattcagaa	tataatctac	180
aaagttagag	att					193

<210> 243
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 243						
cctgcagagg	tcanggagag	agccccgatg	cggctcttaat	gaagaggaag	gaggaaagga	60
cgcagctttt	tttaccctcc	ggcttaattt	actccgtatt	cggcttaact	tactccctat	120
tctaccctcc	ggtcttcaag	ttcccttaag	ctcgttggcc	tgttaccag	taaaactaca	180
aggaaatggt	ctgtgtggtg	aattttgaag	ctgtccacag	tacagatact	ccagtgtctg	240
cccttcagga	aaagagctgg	acctaagggg	tcctcctgtc	tcacgtgcag	actcccagg	300
cgggattaaa	aaggcaaaaa	tcnnngttt	cntngcaa	ccnnngnant	nngggnnnga	360
nnntnnntg	ccnntntttg	gganggaang	aancanaatt	aatttngggg	ctntaaagg	420
tttatttata	aangggcttn	gggnttctat	tttattgggg	aanaaatncc	ggganttaaa	480
aatntaaaga	cccccttcca	a				501

<210> 244
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 244							
gtttcttccta	acaagaagct	acgaagttct	tattcagaaa	aacggaacac	gacatcacac		60
ccacgtgaaa	aaaacgcttt	taagaggcca	agtcactttc	acctcccacc	aacttgccaa		120
aggctgaaag	caggcggaca	cgcccccaag	cgctctttct	cgatttcatt	ggttgccccg		180
gcctgtctct	cattaggtct	ctctcactgg	tcagcaatgc	cgctttcaca	gccaatctct		240
agaaccaatc	atctccaact	attgccccgc	ctctccacca	cgtgagtggc	ataggtgcca		300
accaataaaa	aaagaaaata	aggatgt					327

<210> 245
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 245							
gcangggcnt	ccngnggttc	aagggtacaa	taanctgcga	ncgtgccnct	gantttctacc		60
tgggatgaca	gagtgggacc	ctgtgccaca	aagagagacc				100

<210> 246
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 246							
aaggctgtct	cctgcgagga	ccagaagttg	agccaaggca	cgtggaactt	acaatagcag		60
atggtaagaa	ccagggcaga	aggagaactc	ctgaagcctc	cgaagggaagg	aatcattac		120
agggccctac	agaagtaggt	catgtgctac	agctgctcat	agtttaagag	gaagaaacat		180
gggatctcaa	acctggaaca	cgactctttc	aaaatgcctg	tgagcaaccc	aagaaaaaca		240
tcctcctgag	gcttatctaa	taacctatgat	ctctaactgt	ctcaatgtgt	gctcatgttt		300
ccttaagaag	tttgcaccca	cttctcagag	ctaacgagat	gccgaaacag	aacacagaaa		360
aaagtaatga	aggagattta	ataagntgng	ntaaagctna	tatggggccat	taagggggcng		420
gcttttttta	aaacaanggg	gnggaaccgt	tcccctnttt	tttgngggaa	aagnnttttc		480
nggggcangg	acctggaaac	cattc					505

<210> 247
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 247							
ataaaatctc	ctggcagaga	aaatggacag	tcgttccata	ccatatgtct	tctcagcttc		60
aaaatcaaca	acaacaacaa	caacaaaaaa	ccccaaaact	tccatcatct	gcagaagtca		120
aataaaaactt	tcaaacttg						139

<210> 248
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 248							
ttgtaaaatta	tgctcatgaa	aagagacccc	agcatctttc	aaactgangg	ttaaccttat		60
tatcaggata	atcaccaatt	cacaggaagt	tgcaaggatg	gtatggagag	cttccattta		120
ttcctcgggt	ttccccaatg	attacacctc	acataactgt	acctcaggaa	actgaagctg		180
gtacagtgtg	tgtgtatagt	tccatgccat	ttcgtcttaa	gtgtagatct	ccaatcaaat		240
aaagaaatat	cctgtcacca	c					261

<210> 249
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 249							
gtgggtctt	tcagtatgta	caaacatata	tgattcagga	taaaagatgg	atcgtaaccg		60
ttctcaccac	agaaaagtaa	ccggagactc	ttctaagaaa	tcgagaaaag	aacgcccttt		120

ctcctgccct	cctgtctaaa	gcgcaacata	ataatcgaat	ctcccaagct	tcttaggggtg	180
ctgagtgttt	taatccacca	gccctcttca	actagttaat	aaatcctttc	cagaccgaga	240
g						241

<210> 250
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 250						
gnaancctgnt	agnncatgcc	ngacaccttn	tctccatgcc	tgcncctttct	gttccaagcc	60
atntgggtgga	agcaatccaa	ttgcctgcag	aatcatccga	aagcatcact	gggaagaagc	120
tggtggaact	aagaagcaat	tctttagcct	gacagccagt	ctgttttttag	tattttctaaa	180
catgaaatca	tctcaggaga	agccaagggc	tgtcagagggtg	atttgctga	ggctctacaa	240
ctcatcactg	actgtgtttg	gaggaaggaa	gtaattaact	ataaatgtga	ttataaggggt	300
ggggccttaa	tctgatagga	ccagtgtcct	tataagaaca	ggaagtgtgt	gccgttcact	360
gaggaaaagc	catgcaagaa	cacaaagaaa	angcggctgt	cttgcaacct	ngaagaaaan	420
ctttgcctaa	aactaatcct	gccgggcatn	ttaatcttgg	naattccagc	ctccaaacag	480
nganaataa	aggctggtgg	ttatg				505

<210> 251
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 251						
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ggcctgcaca	taaataaaaa	ctccatatac				90

<210> 252
 <211> 589
 <212> DNA
 <213> Homo sapiens

<400> 252						
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tcttcccnc	taagcctccc	aaaagnctg	gggattacag	gcatgagcca	cgactcccag	120
cctgaaatat	annattttta	tcttcagctt	gcattttgtt	ctaaacaact	tgtttttcaa	180
taagaaccgg	gcagaaccaa	gtttaagcca	ccatttggtt	ggaggccaga	atcaatttta	240
ttgggtgggtg	gttcaaaatn	gggaactggn	actaagcctt	ccttcttccc	ctccatcctt	300
cctagcccat	tgngcangg	gggaaatttt	tctcnttttt	tggnnggggg	taaaacaact	360
tctttccctc	attctgggaa	ttngcccttc	aacctaattg	ttggacaaac	cgaaaaaaat	420
ttcaaaggcc	ccccaaaaaa	taagcaaggc	aaggcttacc	attaatnctt	tttggcatgg	480
aacaangggg	gaaaattttt	ttttggcctt	aaanggnttn	gggggcctag	ccaccttgaa	540
aaaacaanna	nggcccgggt	tnacctttcc	gaatcntggg	gggcttcca		589

<210> 253
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 253						
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gcgnttntn	ttggngacat	cacgggncn	ananaaaatg	gnttaattta	tgtaacaaat	120
cccctctgga	ggacaccana	actgnngggc	ccctnttttg	ccctnatccg	cngaaagnag	180
cccgaatgac	cactncccag	gtneccaacag	cananggggg	ggccnntcna	aaaacnagga	240
ctgagaggag	ggaccccccg	gctttctggg	tcctgcnggg	gctcacaaaa	gttgtgaaan	300
tcatttat	tcttgentca	agacnttctt	ntgtgctggg	gngaanaaaa	attgaaacat	360
atgcttttaa	aaattctaac	aaccacggag	ttgngcattg	tgttttnttn	ccccagaaa	420
agcttttaac	agnggaaaaa	tttgntntna	agcttnccctg	ggggctctnt	tcctggggtn	480
cctttccttt	tccttgaa					498

<210> 254

<211> 303
 <212> DNA
 <213> Homo sapiens

<400> 254
 ggccttcacg gaaactgctc tgggtgtcaca gaaatatatc caaggatgga gtgtgtacgt 60
 gtacaagctc gtctgaaaag agttggcttg caaatgggag aagctgtcca agaagtattc 120
 tcacaatgaa ataattcattt tattttgtcc ataccgacaa acaaccagtc aattcagctg 180
 gagggaaaaaa caaacaaaca aacaaacatt ttattttcca aatttgtaat gagttcgctt 240
 aattattttt gggtttattgt gttatctaca tagttgaatc ttaaattctga attttcataa 300
 ccg 303

<210> 255
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 255
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 tcngccaagc ctcttaaatg caaggccctg aagcagcaga gcttcacttc tgccacctcc 120
 tattgggttaa agcctgtcac aaagcctgtc gagattcaga aaaagagaga tagaaccacac 180
 ctctgatag aaaaaagctg cacatgcata aagaaaggag aggatttgac agctatcttt 240
 gaagagtatc tgccccatta agccatggga tattttcccc ataaaagaaa ggactatgat 300
 ctggattgta gaaactgatc tatagacatg aatctgaact taagagaatt tgactaatc 360
 catctgntca aactggcatc actcacacat atttctgnaa ggattcactc ttccatgggt 420
 agcctcaata agaattcatg g 441

<210> 256
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 256
 aaaaaatcctg cctccngtgc tcttgagtcn ctncntngcc tncaggnggg tcttggnca 60
 aagggggggt ggcataaccag cttaaagaac tgtgttcnnt tgnctgcaac cctgnagtac 120
 anngnatnng aagncccatg ctgctctgan ggcgtcggaa tatngancg atccttgctc 180
 cctactanac tctgggtgcag ggctgcanat ccacaaagcc caagctgcag caagtccgaa 240
 ggcgcnccgc anggggagtt ccttctcagg agactgnggc tttgctctta cggccttcga 300
 cagaatggat gaagcccccc cccctnttgg anggtaaccc gctgcattca aaggcnaccg 360
 antnaactat taatcctatc tnaaaaacng gcttccanaa acaaccacac ttgtgtttga 420
 acaaaaactg g 431

<210> 257
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 257
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 atctactctt caatcaacag ctggtgccct acgattctct gaatcccttg cctggcctca 120
 aaatccctca cctcatggct tccaccagtc ctggactact gtgttcctta cacaacccta 180
 accaagcccc cacattgaca caccacactt aaagagnact gctaggcttc agaaaaccca 240
 accttgctc ctctctccca gacaggccaa agccctcttg aatcagcgcc ctcccttcgg 300
 caagttagta ataaactcag ctttgccctta cc 332

<210> 258
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 258
 gtgccaatat cggtcagaga acaggatttc agtggcagag ttgttgctat actgttatct 60
 cttcagaacg gaggcacaag gagagatgaa tgccacatcg caaggagcaa aggagagaga 120

gagaaagaaa	tggtgtcagg	tggcattgtt	gatgtgattt	ttgttttagt	agagattgag	180
atgactgtaa	attgttttagc	tgattccttc	ggctctgcaa	gatacatttg	tggttggtgct	240
gatgggttctt	gactaatcct	gtttcaatta	caaattgggt	atgtttttca	aataaaaactt	300
ctggcactt						309

<210> 259
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 259						
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gaaggtgggg	aaaactcaaa	ggcacangct	tgtactgaga	agttttgagc	aatggagaag	120
aaagtgggag	cttctgactg	accttagccc	accacagtca	ggctncaaga	ngggagatgg	180
cctgggntna	tggtctgctt	tcttctgggt	nnccttacct	tttgggaaaa	ccccanggn	240
nagaaaagtc	ttcaagtctt	gtcagactgg	gaagtcccca	actcccaacc	tnaggaagca	300
gcccttgga	angagaagga	tgagattttc	caaagctatc	tcttaccact	ttccttnccc	360
catctcattc	cntccatnta	ttggggagaa	gncctctnaa	gttnggcctg	angcttctga	420
gggattg						427

<210> 260
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 260						
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agaatgacta	tttcaacaat	ggcaaatagg	gttcatcatg	tatgcacact	ctgattgctt	120
tgtggtggct	tcctggatca	ctgggttgaa	aaagaccag	gctctgtagg	aggtggttga	180
ttaatgatgt	ctgccattca	gaacaaagat	gtagcagcag	gtgtacctca	tttttgctgt	240
ctctggacta	ttccattgaa	gccttttagt	cctggattat	ccaattagcc	ctagctttcc	300
tggcagtgtg	atctccctct	gccttaatat	cagccctcag	ccctcgggat	tcttctctct	360
gatatccaca	ctcattgcct	ttgcttctct	gngctcccta	aaacaacgac	ttttcttccc	420
caagccnaat	tggaantaan	tcctacctcc	agnngnanac	tgggcccggg	cggcagcc	478

<210> 261
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 261						
gaaagtagcc	aaatcacctc	cctggctctg	gaaggggtgtg	gaagtgggtg	agtaagagtc	60
ccagcccaga	taagggatca	ccaccagaag	atgaagaaga	tggtatgtcc	agagatccaa	120
aggcaatgcg	ggcctcacag	tagatgccag	cacacagtgg	tgacaaacgc	ttggacaaaa	180
cccataatc	tcataaacag	cagagaggag	aaacattgag	tgaggatcag	cagcctccta	240
gagcactagg	ctcctgcata	agtctcctgc	aacttagata	ccaccttgag	gtcgggggtg	300
gtgacaggtt	tcattgtcaa	ttgatgagtt	tgtttcaatc	taaaaaaaat	taggtggggc	360
ccagaatgaa	ctaagatgat	gtttttctgt	cttgganggg	accgggcctt	ga	412

<210> 262
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 262						
gctccagacc	tgtgtgtgca	ngctgcctcc	tggatgcccc	tcggttgtct	aatggacatc	60
tcaaacctca	catgtctcca	cttgaaaagg	atgagtttca	tggaaacctga	gcatgcccac	120
atgcccctac	tcccttgtgt	gccccacac	cgtgcctgct	cttccttcag	ttgatcaggt	180
gaaaacctca	gagtcacttt	taacacctcc	atctctctcc	tgtgccaaca	accaaattat	240
atccaaaatc	tgaccacttc	tcaccacttc	cacatggact	gctgtgttca	agccaccacc	300
atctcttgcc	tgcattagtc	cagcagtcct	ctanctgaca	tggggactga	gattcagaat	360
atttgggatac	aaaggtctta	tccttgaat				389

<210> 263
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 263
 aatgttaacc acaggacgtt ccagctgtga ctcatgtcaa ctactgacaa gcaagctgga 60
 gtggccctgc ttttagagag cctgaagatc tactcagagt gaacaatact tgaagttcta 120
 attgagttac agaaaggaaa ctagtaaaaa ctaagaaaga ttgcgattct caccttgaat 180
 atgcagatct aatttctata actgtgttta ggggtathtt tctaaattac taaaataatg 240
 cttacatttt caaattggcc attaaatata tcttcagatg cggagatgtg tatattac 298

<210> 264
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 264
 acagagctct gcaggcacag ctgaggacgg cctctctttg ggtccccag actcatccct 60
 gggagctcac aactggcaga gggagacaag ggcgctccaa gcagcagccg tgggggagtg 120
 gtgatctcca gcttcaactg ccgggcccgtg aaaacaggaa ccagccctcc aggccaccgt 180
 ttctctgaaa ccaaagctca gcaaccgaaa aaggatcaaa aaagcagatg gtggagggtgg 240
 agcgaggcag ctgtgcttct cagtgcctcg tgcctcctc agcccatct ctggcacaag 300
 tgggtccaagc agcccaggac tccatggcag gccctaccct tgcagggtgaa ctgcctcggg 360
 tctnccagcc tccacattca catatttcaa acagaaacac caccaacttn ctgggctnac 420
 ccnttgggaa attccccaan gaaaacaaag ggggactcat atttgggcca 470

<210> 265
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 265
 ctgaggaaaa acctacaagt ctacttggag gaatccccag cathttcaac aggatgtcag 60
 aatgaccttg ggctatgttg gcaaagcaca atgggaagaa gacaaccaat tgaagggtcaa 120
 actaggcctt aaaaaaaatt gttcttccta aatgaaactt tatgtaagac ccaaacttcc 180
 tttatgtaaa aataggatac cc 202

<210> 266
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 266
 ttttccgtct gtccagctcc accactaaat agtgtcttta ttccgaggag ctacctgatt 60
 tgggactcag tcttcttaca aggcaaaaag agaagacctg gatgctccac gtgggtccaga 120
 catggagcaa gtaaacccag ctctcgccac accgcacagt ctctcagcc tctgtctcaa 180
 tgtgctttca ttggaaatgc ttattgtaaa tgatgacact tttttaaaac caaaattcaa 240
 tttaaattcaa tacatatt 258

<210> 267
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 267
 gataataaaa catgaagtgg aagatcttct agaccagcac cttaaatttg cagatgagaa 60
 agttggaacc cagaaaggct gagaggctca aggtctcaca actgtttatg ctcaactggg 120
 aaatgaattt gtttctctgg cccatcaggt caacattctt tccactcagc tatgccgnct 180
 cctacctcct gaaaagattc tagcaggacc ctctgatgaa aaggacctta tctttttata 240
 tctgctgttt aaagcttttt tttaaaatca tcgcacgatt ttatgagtta agttatgtac 300
 ataaacaaat actattactt 320

<210> 268
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 268
 gagcatgacc agcagactaa cgcagcaagc agatgatgct cctgatgaaa agggcagacc 60
 cagttgagcc tgggctacgc tgacacagac tttgttgctc ttcatttggc aaagtctctc 120
 ccagaatccc tgcaggcata caacagatgt tcagtaaaca ctcggttgat gagaactctg 180
 ggaagacata gctgttcgac gaacaggcat cagaatttat catttgaaat tatcaactca 240
 aaaattcttt ttttcctcat acatattctg cttatgtatc aaaaattatc ataagaaacc 300
 aagatttctc agaacatgtg aggtcaaaat ggcttataat gtaaaagaag tggagtctca 360
 atctatactc agtatctccc tctcttttat tcatacacat atggacactt gcacttctaa 420
 gaaaaaatga atttttttaa actcattcat ttattaaatt gatatggatt aaaccangna 480
 atattcataa catattct 498

<210> 269
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 269
 cntctctgga gagcttncat ctgcaccatg agcccatgcc atcttctgac tcctggagct 60
 acagtgaaga tatattttgt attaatgctt aacttcttca tttcagttgc cattgaggta 120
 gcctaataac attcataagt aaatactgga ttttagtttg caatagaaaa accttccatg 180
 taatataata tgtctatata attaataatt aattactttg ttaaaatag tatcttttaa 240
 taaataaaca ttggtagaga ccaaaaaaaaa aagaaaaaaaa aanggccacn gnggcccaatt 300
 cagctnngac ttaaccaggc tgaacttgnt caaaaggggg gg 342

<210> 270
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 270
 ccagcattta tggatcttca gaggnntctc tctgtgataa ttctctcatca aattaccaat 60
 aagaaggata tgaaactaca gccccacaa ggatgcctgg tgaccttcgg ccctgagatt 120
 tacagtctgc ggaagcaata aagttcctct cctctctct 159

<210> 271
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 271
 ggcaccgcaa gacaacgtat ctcccctccc ctgtgcaatc agtcaaagaa catttagtca 60
 acctgaactg ggagcacagc gctcctgggg ctgttgggca ttcaaaagag tgtggatcag 120
 tgttaaaagt gcctcatgga gaaatggagg cctgaaagcg actctgaagg aggagtgggg 180
 ctacagcaaac agcagacgag tttcaatcca agcaccatt acccccctaa cacacggcat 240
 acgtgcatct catctcctcc tgtgtcgcta agaagctacc catatgtctg tcattaattc 300
 tccagaatcc ttggacacac cctctgcag agctttctaa cagaaataca agtctcagat 360
 ttttttttaa gttaaaattg agtgcagcac tcataccttt cttcgagcat gaaccgtcaa 420
 tcaacactgc ctcatgagct actgntctcc tgctctttaa aaagacaaan ccttatttct 480
 ttgtagngat cncaaagngg ngggattnac ccggaaactt t 521

<210> 272
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 272
 agtttctact tcagaggagg attttgttct tcaattgtgg agtgatctct atcaccagtg 60
 actaaagcag atgttggagc acagagagcc ataccccaa atatgatgct tcggcatgct 120

gactgctttg	aaaattgaaa	ggcctcagaa	ataatcctca	gtgccagggg	ctccctctga	180
cctcccccta	cctccctttc	tctctgatcc	tgtctctccc	aaagcacaga	atgagctggt	240
ctctgaattc	ccttatctac	ctagaaactg	gacccccaaa	gaggaacaca	atttgctttt	300
gatcccttcc	ctgaaatttc	attaaccaga	gaaaattaaa	acttctatca	caaggaagag	360
actgaacatt	aaacaccata	gctacagccc	agacaaactt	cttcccaaac	cattgtttgt	420
tctcctgect	gttaaattgc	cagagaatca	ttcacaagac			460

<210> 273
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 273						
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cctggatgcc	acatggacca	cgatcaccaa	ggagatcgat	aaatcccaca	atgttggttc	120
ctgtcttcaa	aaatttgcta	agaagattga	gatccactgc	tgtaagatta	cacagatgcc	180
ctcctcatcg	tctatgacag	gctataataa	atcttgccag	actt		224

<210> 274
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 274						
aggcgagaaa	ctgtgggata	agaggctgca	gcaattgcat	gagtagaccc	tgaaggtatg	60
aggtttgtta	aaatggatgt	tcagagaagg	cctgacacaa	gagggccact	ccatttgctc	120
ccacggacct	gggcccggatc	tctcaatttc	acactgatgg	agcctgaaaa	tcaacaaaca	180
agacggcaag	aacaggggaag	acattgttct	ctccaaagtg	gacaatttgt	gacaggccca	240
ggaaggctgc	ctgggcttta	tagcttttcc	agtggttcct	aataaaccag	gctttgtgtg	300
agcctcgttc	aagccatgcg	gggcccgtgc	gtttcttt			338

<210> 275
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 275						
tcccaggtgt	atccaccagc	tccgaagaga	cagcgaccan	gcaagaacgg	gccataacga	60
cgatggcagc	tttgtcaaaa	agggggatat	gtagggaaaa	gagagatccg	actgttactg	120
tgtctacata	gaaaaggaag	acataagaaa	ctcctttt			158

<210> 276
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 276						
acttcagttg	acccaggcaa	ctgaaaccga	ggaagcaaaa	ccatggaccg	tggaaagaag	60
catcatatag	gactactgta	ttatgtatta	taggtggctg	tggtatcaac	atacttagtt	120
gataataaaa	atgtttgcaa	agtc				144

<210> 277
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 277						
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ctnggctnca	aaactttant	antgancngn	ctgcacggga	ctggcgaaan	ggggctgaac	120
catcgaaaca	gggtattatg	aagccagctg	ggccaaatac	cttcaactgg	agaaaatggg	180
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ggattttggg	cctggtaaac	tttcttcggt	tggacacagt	gggtocccaa	gatacctttc	300
acgccatcta	tgtggccctt	ggggaaaaat	ggtttttttc	ctggagggttg	acacctgggc	360

aagaaagcct	tctaaagttt	catttgattc	gtaaagaact	ctctcctcac	aagaagcttc	420
aagcaaacag	ccctcaccca	agggactcca	tgaaatatca	aaagcccata	tccacatggt	480
gctagagggg	cttaaaaaac	tacaaagggc	tggagaaatt	tncaaaaaaa	actcaacatt	540
ggcttttttt	ccccctactc	a				561

<210> 278
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 278						
tgtaagctcc	accagagcag	cagactctca	taaaacctca	tgggatgaat	gaaaggagtg	60
tcatccctta	agacattggc	aacaaaagca	tagcctgaca	tattctacta	caagtgcctg	120
cagtaaccta	tgcagagagg	agcaaataaa	ctccacacag	aaggtggacg	atccctgagc	180
cagagataac	tgggaactctg	gcagttttgag	tggacactca	gtcacacact	cacacactca	240
ctcacagcgt	tatgcaattc	caaaaattat	gtgtttggtt	ccaggaagat	acatttttcc	300
cctctaagtc	caaaataaag	atagaaatgc	atatatct			338

<210> 279
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 279						
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gggctgaagc	caggggaaca	gaaccagaag	aggattccct	ttccagagac	catcaggctc	120
ctcatgtctt	gtctctcctc	tctccccctg	tgggtggctca	ggatttcagt	atggctgagc	180
agcccatagg	taggcctcaa	cacttggtgt	caccacttca	gtctctatat	gtttggccct	240
tgtgtaaaat	aaacaaaaac	ttgggcaacc	c			271

<210> 280
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 280						
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ccctctcctg	gggtcttgag	gacgccacat	gtgggctgtg	ctctaaagag	cgcttgctcc	120
taagcctcct	gcacatggaa	ccccaccatg	gaatctgctt	cccaggaact	cacctggga	180
ccagccctc	tgagactcaa	gtcaacattt	ggctcctagg	ctgcaaagag	gaggtgctaa	240
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ggccaggatg	ctctgctcgg	aggcctgtcc	tgacttcttc	tgctcattgc	acctgaaatt	360
acctaaccac	cacctttctt	cctccccacc	ttccacaaat	acttattgag	catctgctag	420
gtgccaaagt	actggctctg	acaatgggca	ttacnngccc	tgaaagaaat	taaacnngaa	480
ccttcttgtt						490

<210> 281
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 281						
gaggtgattc	atcccaccag	tgtttcttct	gcagacagta	aaatatggct	ccagtgacca	60
tctcagggtg	catgcttcca	gcatttttct	agacaaggct	gaagacagca	gacattaaac	120
ttcagttgtg	tgctccacag	aacattagct	gtcttcatca	ttactttgca	tctttcagtg	180
ataggctgct	tgacatgtta	ggaacctgaa	aatgatccca	tcttgaccga	atctcaaatg	240
cccttcctga	gcagcactga	tgaacacagat	ggagcacctg	gatgttatct	gctttggatc	300
tggttctcag	gaggaggagg	agcagaaggc	tgggcacaac	ggtgtttgag	gttctcaact	360
gccccagaa	agaagggttg	acttgattta	cattgacttc	aacttgatta	tcttgatcta	420
cttaactggc	ttttcggtt	ttatgcttca	agcnccggc	angantggct	tccttntggt	480
caacttgc	gncttttgac	ttgggattta	ac			512

<210> 282


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<211> 393
<212> DNA
<213> Homo sapiens

<400> 282
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atgtgccctg caaatggcag tgccagtgga catatgctag atgagtggat gaaggaccat      120
cccacatcag ctcatcgtgg agtatgcagc tcagtcctcc cgcctctcag ggacaacttg      180
gatcttcacc gttcttcgcc actaagaatt cnagtcatct acattcagag ggaagctgag      240
caanctgggt cctgcccaca ctggaaaatt tctctgcta aaccagcttc cctaagccga      300
ggggagagtc caagatcccg aagatggcag ggccgtgcag gtccttggga ttaagacaca      360
aacaagccct gttctcaggc tgacagtaaa tgg                                     393

<210> 283
<211> 139
<212> DNA
<213> Homo sapiens

<400> 283
ttactcatgt cagtaagcgt ttactgagta tctcctgcat cctgggcact tctccactcc      60
aatgtgacag cagtgaatca aacgacagct agccctgccc gcaggcactt gcattccaga      120
gagaggagac aaagaatac                                     139

<210> 284
<211> 482
<212> DNA
<213> Homo sapiens

<400> 284
gtccttgatc tctgtggctg tgagacgatg aatctagggt gtcaccccag acaacgagggc      60
tgcttcaaaa tcccaaagtc caaaggagga ctgcttcata agggaaggat tgtttatagg      120
ttggtatact gtgcaaaatt aagtatagga ccaaaaacag ccaagacatt tgaaagtgtg      180
aaagttgatg gtaatggttt cctgggattg gaaggcagac ctctccgct gatgagcaaa      240
taatgaggct gtgctatgat caaggcattg tgaccctgtg gacccacacg tacacatcca      300
gaaggtctcc tggagccaga aagtctggga caacaggaaa accacaaaag aagaaaaaca      360
gctcctgtct tagctgatta gccaaccttg cgaccttcta ccattggaac atgctctacc      420
cttacttant aatncacttt cnggaccntg ggctntgtga cccctcccc ttggggataat      480
aa                                     482

<210> 285
<211> 241
<212> DNA
<213> Homo sapiens

<400> 285
cctccatgct ctgaggaacc ccaagcagct catggagagg cccacatgga ggggaagagg      60
agctcccagc cagcattcaa cttgtcagta acggaagtga accatcttga aaggggatct      120
tccagtctcc aatcaagccc ccagcccaca ctgcttggaa cagagaagcc gtccatgctg      180
agccctattc aaattataga ttaatgagcc aaataaatga ttgttgctgt ttttaagccac      240
t                                     241

<210> 286
<211> 222
<212> DNA
<213> Homo sapiens

<400> 286
gaagtgggaa tgatgcatat tcaacgacgc ctacaaaaat tacttcagat tgttagtctc      60
agaaacccac tgggtggcctg aggggacatg caaaaagaag aggaacagga gcagagatgg      120
caaattatta aggtttcaag accttaaaag agacaatcaa agtattcaga ttctcagtaa      180
aattaccaga ttaaatcaaa taaaacccca ccttttttcc ac                                     222

<210> 287

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<211> 280
<212> DNA
<213> Homo sapiens

<400> 287
attaaatcaa gattatgtct gacaaccctc tcaaaatgat aaaaactaat ctgcagagaa      60
aactggctgc agaggaaccg gctgcagagg aaccagctgc ttctctctcg gaacatgaag      120
aggtgaacag agagatgaag cctntttntc ctccctcacg tttntgaang atcaaaatca      180
agggcancng ggagaaagaa taacaaaacc aacaaactgg aggtcaagga gagntttttt      240
ctttttttta cctttctgcc ttttccattt ttaataaaca                                280

<210> 288
<211> 435
<212> DNA
<213> Homo sapiens

<400> 288
ggcttatctc cttgttgtat ccagaatcat atgacaagca agagtcctag aatatttttat      60
ctacctaatc atcccaactgc cttattccag aaagaatcta aggaggaatt tttattttctt      120
cagtcaaaag atgcaggaaa gacatcctac ctcttggaag aatcattgga ctggacatcc      180
aaacacctga gtcctagcct tgagttctgcc tctcacagca gtatgaccct gggcaagtcc      240
ttgtggaata agggcatgga cagaatgatg tcagagggtc cttctagctc taatattcta      300
cagtttctct ttagttcaaa tttaaagaca aaatgtctaa cagtggttct tgtttgttat      360
gaccagtgtt gncaaaagag aagttgtaca aagttttttt tgctgnttt tcatgnatgg      420
gggagggggg gggat                                                                435

<210> 289
<211> 166
<212> DNA
<213> Homo sapiens

<400> 289
caaacaggaa caaaggaaca aagtgagagt ggagactgct gagtcatacc taggagaaga      60
ctgcaactca ccaggggagt gagtcttcac cctaactcac cggggaactg gaccgaccca      120
gacaatttgt taagtctgtt ttccattaaa cataattctg agtctg                                166

<210> 290
<211> 507
<212> DNA
<213> Homo sapiens

<400> 290
gaatttatgt tgatgcagtt aactccttgg gccaaacagc actttttgtt gcggcgttat      60
tgggccttag gaaattcggt gatgttctgg tggattatgg atcagatcca aatcaaatgg      120
gagccctgtg ttgcacgctg agccccgctc catggaatgc aggagcattg ccatggacat      180
caattgtact catctccctc cccagccgct gctttgatgg gagcaccctc gtccatgcag      240
cagcattttc gggcaatcag tggatcctta gcaaactgct ggatgcagga ggtgacctgc      300
gactccacga tgagaggggt caaaacccga agacttgggc tttgacagca ggaaaggagc      360
gtagcaccga gatagtggag ttcatgcagc gctgtgcctc acacatgcag gccatcattc      420
aaggcttnn tttccaactt cttgaaaaaa aaaaactccc cgcagggggt tgtttacagc      480
cgtcctggn ggggttgggt tctttttt                                507

<210> 291
<211> 192
<212> DNA
<213> Homo sapiens

<400> 291
tgaatcgaac gccacactca ggtgagntga gaaaccctta ccgcgcgcac tgcaatgccc      60
tccccctcac tctgcacctc ccacccccct gaaattctgc ccttaggcta cggggcgtcg      120
tcctttcgca cctcccccga tgctgccaaag ttgtagctat agctacaaat aaaaaaaaaa      180
cttgttttcc ag                                                                192

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<210> 292
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 292
 gtggtagaag tctgtcttct ccccggtgctc ctaggaagac cttcatgtcc tccttgacca 60
 acaggggatg gtggaagtga ctctgtgtga cttgtgagac aagattctaa aagtcatgca 120
 cttctgcctt gttctcttgg gataactgct cttggaaccc agccattgca gtgaggaagt 180
 caaatagctc catggacatg ccatgtgtag gtgttctggc aaacagcccc aggtgaggtt 240
 ccaactgaca gccaacgtca accacctgac gagaatgagt cttccagcct tgatctgctg 300
 agtcacgccc aactccagcc aatactgtaa ggagcaaaga tgagctgttc tgccaattgt 360
 agcccaaatt gcagattttt gaataaaata aatgactgtt atcattgt 408

<210> 293
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 293
 aagtctcagc catgaaccta gcagtgaagg aggaaaacat cttatgtctt gttctctaca 60
 acacaaagat gaacataaag aagaaacaca gactctggcc tggagaagtt cagtgtctgg 120
 tgggggagac tggataaata atttaaaaca tttatttaac acataattac agtgcaatat 180
 gataagtaca atagctaaag tgtgggcaaa gtgtcgcagg aacaggaata aagaggagac 240
 aacttccaaa aaaatcttac atacttaacc ttttcccgac attttgacct gaaaataaat 300
 cagcataaca actcac 316

<210> 294
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 294
 gctggtagca gaatggctgt tgttattcca agaggccctc ccggactata tcccagtggtg 60
 tatagtccag tgaacgcagc ggaaaactat gaccatgaag caaatctgga gcaccacctg 120
 attttttaag gtagatttta ccgaaacac 149

<210> 295
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 295
 gaaaagtgtg ctggctcctg tcttggatca actcagaaaa tgaaacacat cggattctgt 60
 ccaggccggg cacagcaacc tggcccatnc atgtggagcc tgcagtgaca acttccgcta 120
 tctgcacaaa actggaggga ggctgggggt gctccaagta taagtttcct catcancaaa 180
 ccggaaagag aaagaccgac ctggaggctg gttatgggga taaaataaat atg 233

<210> 296
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 296
 tgtacagagg aagaaccatt gtgaggataa agcaagaaga caaccgtctg caagccagga 60
 agggaaaactt taccagaaaag caactgtgct ggaaccctga tcttagattt tgtagtcttt 120
 agaaaagaaa taaatattat ttt 143

<210> 297
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 297
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 aagggggcac ctanattcga accggggacc tcttgatctg cagtcaaattg ctctatccct 120
 gagccctacc cctctacct gtaataagct tcttccgtgt ccacctacgg tgactcaata 180
 caatcaagtt ccacccacac g 201

<210> 298
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 298
 gctctgatga ttcttaagca aagagatgga agatggaatt tcaaccccat ggagatctaa 60
 taaacttacc cagagtt 77

<210> 299
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 299
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 ngatggatgn ggaatnctgc cccaccantg gnggcnttat tattacaccc atattacana 120
 tntagaanac tgaggctcan cntgggtncct ttgccatgan cacacannna gangatanga 180
 gaggttggtc ctgcctccta tgcenctcct gatccactct ccaaaccctc ctccagtccc 240
 ctgctccaag ccatacagttt ggatgattct tataagccgg ggggtgtgaca tgccaaagggt 300
 gtctctaccc cacatactcc ctctggaanc aggacaagggt ttgcgtgagg tggacctggg 360
 ttctttctgg accagggact ttgcctccaa gctcatttcc tcatctgtaa aacaggaatc 420
 caaccaacgt cagcctgaat gggctgtggc tc 452

<210> 300
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 300
 ttctctcatca gaaggaagta cttcatcaat tacgtcctct tcatattcat caatttcttc 60
 cccatcatatc tcatcttctgc ttcccacatc acttctctgac acctctgcct catcctccag 120
 atcgcttcag gagttcttct tcatcatcat cttcatggtc ttccagtgcc agatcattac 180
 cagagtcact gtgttcatcc taaaaaatca gcatcatatc caaattaagc agaataaaat 240
 gcgtcctcaa tgaaaaaagg atttataaac atctgcccac atacctcatt ctaggaaatt 300
 gtttctgata agatgcccac cttagaattc tcaagaactg aggggaaaaa aacacttgag 360
 ggcagcaata catggagctc aantatgaat acctttggtc cttctacct cccctnatcc 420
 ttttcaaact catt 434

<210> 301
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 301
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 caccaatgcc gtttccccac tcatctggaa acctgggtgg ncctgcccac acgcctgtat 120
 gccaatccca cctggctgct tggcgaccca ccattgccac attttccact caagcctttc 180
 anatctgctt tgggcacctg aagacagaga gaatcatctt tcaagagtca gaaactttgc 240
 acgtgccatt cctctgctt agaattgcttt tccctttctc ccaattggct tatcatcagc 300
 ctgggaaaaat atttatttct gctcctaaaa tctcagatat cacttctcca ggagctttcc 360
 cagatgcctc acttgattcc agaaggagct atcgccactt ttgcctggcg agtaccgttt 420
 tcaccggtac acttatacgc tatggcaatt tattgg 456

<210> 302
 <211> 187
 <212> DNA

<213> Homo sapiens

<400> 302

tgactatatg	acgtgtgatg	gcccagact	gagtcagaa	gcagatgcaa	gaatctagct	60
gactttcagg	aaattagacc	ttaaagcgac	ttgcaaaaat	gaaaaacgaa	gcctcttcca	120
aattttttgt	tttggaaaat	tagttatfff	tcataaaaaa	cttacattaa	agtattttatg	180
tcaaggt						187

<210> 303

<211> 449

<212> DNA

<213> Homo sapiens

<400> 303

tttcaggttt	taggatgacc	agtgagatgg	tcagaacttc	agaaccttcc	aagggtgatgg	60
gtcattcaag	ctccaggaac	gtcaaggcct	caacagtttg	gacataatff	taagcaacac	120
atataagacc	cacaggtctc	cactgatatg	actggggatc	tcatgaagaa	actactcgac	180
aaagacagat	actggaggga	tagaagagtc	tatgaagtac	agaaaagagg	aaagatctgc	240
aaacaattcg	gtgtcttctt	ttaacttgaa	actcattcta	cccactgcta	cagctaggtta	300
ctgtgctctt	gctcagattg	ctggagggtt	ttgttgngat	gatctccttc	aatacatcaa	360
tactataagt	tctataanaa	tcattctcaga	gcttgtttan	aactcatttt	ttttcttttt	420
ctgggntatg	cccttataat	attcattta				449

<210> 304

<211> 309

<212> DNA

<213> Homo sapiens

<400> 304

gtggggtctt	tcaccggcca	tgctcctggc	tgactgtttt	cctgctgac	ctgaccagcg	60
tccccggcag	ccatggcctg	cattcgtggt	ggctccctcct	cctgcagccc	cgaggaggca	120
gggctgtctg	tggatcccag	atcggttgtc	ggaaggcccg	gaagaggaga	gctgccctcc	180
accaccactg	tctctctctc	ctggacaaca	gagtcagaac	actgctgaga	tggggtgaag	240
cataattggt	gcactgagac	tcaaaactac	aggcaagaag	gtttgaaaat	acagaaacat	300
ttcacgaat						309

<210> 305

<211> 174

<212> DNA

<213> Homo sapiens

<400> 305

gatgatgctg	cccttaatgc	tcagctgatt	acagactaaa	cacaaaagtt	cccagaggaa	60
aatggtggac	ttgggagctg	ctgcctcagg	aggatcttga	gtgttagtgg	ttcctcccta	120
tcagatgtac	ctaattgcca	ggatttaata	aaggatcatt	ccattccac	cacc	174

<210> 306

<211> 464

<212> DNA

<213> Homo sapiens

<400> 306

gagccccctt	cctggacaca	ctcgtgtctt	tcccagggaa	tgggaagaaa	caaaaggatg	60
atgacatgac	acctaataag	tctggatctg	gaagtaagtt	tgatctacgg	ttcattaggc	120
tggagcagaa	aaaaaagaaa	gggtccggta	tgctcgctg	tgtgccaggt	atggtgttac	180
gccactcatg	tgccttatat	tccctacaac	ccctcaccoc	aatttatcac	ttcaaaaatg	240
ataaaagctg	agacttggag	aaactagtaa	ctaaccacaa	gtcacccaag	aaggagggtg	300
caagctaaga	tcaagcccca	ctttggtggg	agctaagagt	agcccttgg	agagtcattg	360
ggttggctaa	ttcttgctct	tggaaacctg	ttctatctcc	attcagttcc	ttctcttctc	420
gtcagttgga	ctgtaaactc	taagatcacg	aaatttcctc	ttat		464

<210> 307

<211> 481

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<212> DNA
<213> Homo sapiens

<400> 307
agcttttgcta gccacgtgtg gttcctagac catcagcatc aacattacct ggaaagggcc 60
tcttacagat gcagaatctc tgccccaacc cagacctatg gagttaaaac ctacgggatt 120
tctagatgtg cgggagtga gtagctggtg gctatcagac ctcaagggtct ccaacaggac 180
aagatcaaga gggattccac tcccacagac cactcactca ccctaggaag actgtgaaat 240
gcctgtcctg gtgcttagtt tgaattgttg aaagaccatc ttacggcag aaatgctttg 300
tcatttcaact tgataagggc cttgggtttc aagccagttt actcttttct gtgagcattg 360
aaagccccct ttttnatttg ctccgaggca ggattttgac ttcaaagcca aaataagaat 420
ttaggaagaa aagaaagggg gggaggaaaa agggaagttt ggtccaggaa aatgaaaatg 480
c 481

<210> 308
<211> 177
<212> DNA
<213> Homo sapiens

<400> 308
gggcaaacc atgctttatg aagcctgatg cttacacaat tatgggagcc ttctttgaaa 60
aaaaaatttc aaaattacaa atgcaaaatt aggtacaaaa gggaatatTTT acaatgagaa 120
atcaccacaa atggcaagat ttaaacagct gacaaaattaa acagcgcaaa atccagg 177

<210> 309
<211> 366
<212> DNA
<213> Homo sapiens

<400> 309
gttgcaagaa agctcaagta gcctatggag aggatgcaag gcttccagct gatgccctca 60
gccagggtca gtagcagcca gaactagcct accaacgaac ctgctgatca tgtgcataag 120
ccaccttgaa cgctgatcct cctgcctggt ggagccatcc cagctgatgc cacatgaagc 180
agacacaagc tgtccctact aagctctgct caagtggat attcatgagt gaaataaatg 240
actgttacta agtaattaat tttcgggtgg ctgttatgta gcagtagata attggaacaa 300
agcttattga cataatacat ctatatcaca tctccaatc cattttttta agtaataaaa 360
gtggtg 366

<210> 310
<211> 292
<212> DNA
<213> Homo sapiens

<400> 310
gacccaaatg tgaataatgc caacagcttg ctgtcagccc tgaagtttcc tcagatgtct 60
cataaaact ggaatcactt cacacgtttc tgaaatgtga ccacctctca ggaggagtgtg 120
acaacactga gtaaccggaa gggaggaaca cttatccac tgaaactggg ataaagggtg 180
ccatgaatgc aagagggtgcc taaatctctt ggcattggga cttaatgggg ccttatccct 240
cctgctatat ggtagcaaaa taagaaaata aaaaccaaag taatatgcgt tc 292

<210> 311
<211> 195
<212> DNA
<213> Homo sapiens

<400> 311
atgaaagaaa gagaagtccc taagtagaaa ctgcaagggc caagcagaac attataccat 60
gtaaggacat catctgtccc tggactctta agcggaagat catgcaaata gtggactgaa 120
gtcatcccag ccttcaaaaag agccaccgtg ggggggaaat aacagaaagg gataaaaagc 180
tgtctttcgt aacc 195

<210> 312
<211> 475

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<212> DNA
<213> Homo sapiens

<400> 312
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gcttctgggtg gctgtgacat tccttggcctt aagctgagat ggcagtcaat gagagtgact 120
gcagaaagtt tcagaaggac acatggggaat catttaacca ggccaataaa atcagctatt 180
tatacacttc ccccggaaga catagccctt gcttcactgt ctgaaggaga gaaaatgcaa 240
aagtataaa ggcatgaaaa agtcatattc ctgagctaca agagagaaac tgaggacagt 300
ggagatgaga ataaaatccc taaagcttaa aggatgctgg atctggattc tactggatgg 360
nggngcttna aaagnggact gncctatcct tttcacatat gttagaggtc acacacaggg 420
agcccacaga ccccgagcatg ccaataaacg tgtttcttgt gaccataat aaatg 475

<210> 313
<211> 425
<212> DNA
<213> Homo sapiens

<400> 313
gtctactctg tgaaggaa atgatcatatc ataattcacg catttgctgt acggatttaa 60
ttaaatgata gacaaaaagt agagtggcac aagtcaaat caaaaaatag taacaacaaa 120
atcaatttca aaataagcaa cagcaataaa tgttacctac tattttacga atgaaaatac 180
tgagaccaat aaaggcatta tagtatacat agccttggaa tcagaagacc aagaacatac 240
aagagaacat agccttggaa tcagaagacc aagaacaat ttaactctgc cctctagag 300
ctctgagaac ttgggcaagc cttttaccct ctgtgagttt cagtttcctc atttatataa 360
ttggaatnat aattccngat cacctgaatg taatgaaaat taaacatcct tatgtagggtg 420
aaacc 475

<210> 314
<211> 478
<212> DNA
<213> Homo sapiens

<400> 314
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ccaccatgtg gaggagaact agagcactca tgttgaacta ttaccganaa aagtaatcaa 120
cttcttttgt gttaagncac tgaaaggcaa gtgttgattt gttgcagnaa tnggggctcc 180
cttaacacac ctgtcagccg ggccaaactc tatcacagca taaataatct tttccttaaa 240
taaatacagg taaaagaata aagtagacct aaatgcatta atatgaatat aggcctcaaag 300
caaaatgttg ggctataaat gttcagagtg ataatttttt aagttgatgn gtaatttag 360
nccagtaaat tagaataaaa cctaaatgtc agttcfaatg gaatttttta catgttcatg 420
ccctgtata atcacctccc anaaccaaca tagaaaatac ttcataataa atgttggg 478

<210> 315
<211> 325
<212> DNA
<213> Homo sapiens

<400> 315
tggcaagaca ctggcctgat agaccaggag ctactccacc accagcagct acaaggcctt 60
ggcagaatgg aataacagca aacaacattg gaggaggact tgtctgggag agcagccatt 120
ttaaagaaga gcacattaag tcacaaacag tcgcagctga tctactttgc agcatcgcca 180
tacatgccta actaaatatt gaaatcccg gaaaaactca ctgtgcatca tgttccagaa 240
actagctttg caaacagtct tttcagatgt gtacattttg tgtatttgag gcatataata 300
tatatatatt cctccatgtt cacc 325

<210> 316
<211> 275
<212> DNA
<213> Homo sapiens

<400> 316
acgccatctc caaatacggg cacattgggg gttagtactt caacatatga atctgaagga 60

gagacacaat	tcagtcctta	acacagtgc	ttatggattg	tatctgcac	ttccatctta	120
tcaccaccca	aatccagcac	ctgaattgg	gagtgttgcc	agtgagaggc	caagagccag	180
aagagcctgc	ttctgcttgc	agaggatgca	cagttgtaat	agttcgtttt	catgctgctg	240
ataaagacat	acccaggact	gggtaattta	caatc			275

<210> 317
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 317						
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gaaagactcc	tgtctgaagg	atgtgccttt	atcccagaca	ctgacaaaaca	cctttgccaa	120
gagagtccag	aaacgactgc	aaaccccaac	ccaagcaact	ggactctgga	aaacagctca	180
tgaaatctca	gcactctgct	tgtctggtga	gcctcgtagg	gcactcacct	ctattacgga	240
ggcttgatgg	cagcggtttg	gtttgaactc	tgtattactt	atctattgct	gcataagcga	300
attaccccaa	agcttagccc	gcttaaaaaca	acacgcattt	attatattca	ac	352

<210> 318
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 318						
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ggaatggtgg	ntttaccag	gcnttngggg	anaanangtg	ggnaattcna	ccccctngga	120
tgctnacaaa	ccntggcaaa	tcttancatt	ttcccctnat	tgaaaccggn	tgcccccttnc	180
cttantaact	gcccttggac	ttacctcacc	attttgtgtg	gccttaaatn	aagaatttgg	240
ggg						243

<210> 319
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 319						
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tgagaaggaa	aagccggcac	acaccgcgga	ctgagctctg	cctgcctcac	cgacttcaaa	120
gatagcaagc	gaccactttt	ctaggggaaa	aaaactaaca	ctcaagttgt	gctgatttac	180
taaacaggac	gctctctatt	tgtgcttcca	tttgctaggg	gatttacatg	tgaaacctcc	240
cccagtgcct	atgggagtta	ttatcctgct	caatccccctc	cgcacagagg	acaggatgac	300
cgcaagtggg	ataggacgct	tgggctattt	aataaaaagaa	ctcttggaat	taacacttct	360
tcanggetca	cagacccatg	tagcctagta	tatttccaca	tttccttgtc	attttgaaat	420
ggttcaagtc	ttgagacatt	tgaagngttt	tcttctaagc	ttaccgaggg	caatgg	476

<210> 320
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 320						
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gagttg						66

<210> 321
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 321						
ggtggccccg	cctccctggt	ccatcttctg	agaggagcta	taccattttt	gcaccctgaa	60
cctccaaact	cagaagtctc	tgaggagccc	tgaataggag	aaaatgtggc	tgaaaatgaa	120
gtggaaaatc	agtggtataa	ccaaatcaag	atcacgcctc	gctgggaccc	tgtcacacta	180

aagcttccag agcatagtcg tttttaaaat ctgtaatagt acctgg 226

<210> 322
<211> 465
<212> DNA
<213> Homo sapiens

<400> 322
gaagccaagt gggaagatcc ttgctggttt ctccctctga ggaagaagga aaatgccatg 60
actcccacta tggcctctct tggaaccata ttttgaggta ccctacttcc ttcttgagtg 120
tcagcagagc aactgtggga ctggcatgag atttggatcat ttctaggaga gcgaatgcct 180
tttgccctctt tgatgagaaa actagacgag acattgttta gaaattcttg agctcagact 240
ttngcattat gacaacgtgc attcaaatct gccccagcca cttgcgagct gggacctaaa 300
gccgtgagct tctggttgtt tatctataac aagcggatcc cagtacctac ctcataaggc 360
tgntgngagg gattaaaata aaatgcatct atcagccagc ttgcaggctc gcacttaaca 420
ggggctcang tgcaatacct tgataagttt tgatagtttg ggata 465

<210> 323
<211> 303
<212> DNA
<213> Homo sapiens

<400> 323
cnaacctgnt angntncatc tnatncaant gtggcaaccn ntnccttgnc cannngetgg 60
agctgacact ttctcaactt cacctggatg gacactgaag tccaggatgg gatgctgcta 120
cctgcagctg ccattctcct gccaatTTAA ggatgaagcc aatgcccagg atggcagagc 180
tgagagctgg aaggaagcca ggtcctcgct gacattgttg acacactgca tcagccatct 240
ctcagcctcc cacctctaga tttcctgtga cttgggaaaa taaatttctg tatttgtaaa 300
gct 303

<210> 324
<211> 458
<212> DNA
<213> Homo sapiens

<400> 324
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac 60
actgggttatt taaccaaagc ttcattctgaa atggcatatt ttacgggata tgacgagact 120
gctttgagga atttaagtgg accttataaa gttgataaag agccccttag aaagactggc 180
ctagtacctc atntacttgg ttcccttagg agcctaggan cctnaanatn ttngggggacc 240
tcaagaagag agaaattcac tcattttatg cacatntnac nggcatagtc tangggggaa 300
tcntnggntg ggggttccccg ntttnaaagn gtttttaaaa ccaanttnng gggtnntttt 360
taaacatttc nccnaagnn cacctttaaa accctttttg aacnctttt tttttttt 420
ntttgcgcna aaatccgggn ccnngggaaa aactaaaa 458

<210> 325
<211> 212
<212> DNA
<213> Homo sapiens

<400> 325
gagnnactgc tcaaacaaga acacaaaaat ntntnangat cctacnacag nggggttggn 60
ncagtgcacg ctntgtatac ctatcagaca aaagaaaatg tcaagcaagt anaacagaga 120
cttagctgtg acagctaaaa natttataaa gtcattgttc ccatcnaacc tatctggact 180
tatcaacagn atgentccag cagttattcc cc 212

<210> 326
<211> 483
<212> DNA
<213> Homo sapiens

<400> 326
gtgtaggctc tgccctttcca gggataagtg gccacatagt tcgccgtgtt ccccgagtt 60

attccagtaac	atgtttttata	cttttgggtat	gtttgttgat	cacggtgatg	gtgattgctc	120
tcaacacaat	gtctacttct	cctcgacggt	caaggaggga	aatagacaga	gccagaggt	180
ggccagccat	ggttcctcaa	gacctgccaa	gaagagtgc	ggccaccaga	gtctttgcag	240
gtataattga	ttaaagatct	caagatgaag	tcacccatga	tttaaatcat	ccacatggag	300
ctgccttcaa	aggcacagct	gcaggcgagg	gtacatttct	aaatcccang	actagtggcc	360
ttgttagaaa	anaanaaccc	ggggngaccc	ccngagaaa	gagatgtgaa	gatggaggca	420
gagactggag	tgatacagct	ccaagccaag	gatcaccagc	catttcaaga	agctaggcaa	480
gaa						483

<210> 327
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 327						
agatgcagtt	ttgccatggt	gccc aaactg	gtctcgaaact	cctgagctca	aagcaatttg	60
ccgcctttgg	cctcccaagc	tggaaatgaca	gacgtgagcc	actgcacccc	gccaacattg	120
gcattctctg	ctgccttctc	tggactgagg	aacttcactc	aacaactggg	ctcacagccc	180
tttttccaca	gagattttgt	ggaatagcct	ttttgtctca	tgcttgcttt	tcatttattt	240
gcttggttga	gataaattaa	aagcagaaaa	tg			272

<210> 328
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 328						
ntatgacaac	aaaaccacn	tggggcccaa	acctggaagc	cgncngctat	ggaggaccct	60
ggaagcangc	anagaaaggt	ttggagtgtt	cantgcgatg	acaccagcgt	gcctgcggaa	120
gnngntgtgt	ntactnttgc	ctccttcccc	acccaattcc	gtcccaggag	cccagggatg	180
gaggcccaa	anacggatnc	cacaggagcc	agcaccact	ccaccccagg	agctcagcaa	240
acatccacag	agtgaacatt	ccaagcaaca	tagtccagga	gccacgttcc	agccatgggg	300
cctctgcact	gctgtcctct	tcacatggcc	tgcccttccc	ccagaaagag	agaagaggcc	360
ctctctgggt	gtcccaccaa	aactccaccc	ttctctcacc	ctcctcccag	ctgtatccct	420
tctctgcagc	cctaacatgc	attccacttt				450

<210> 329
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 329						
ggtgtgggca	cacacactct	ctgaacagca	gaacttctgt	ctgagagtag	aagctgaaga	60
gcagaagaga	cactatggga	atcaggaaa	aggaggtgat	ctgggcccagc	agttgaagca	120
cattgaaacg	aagaagaagg	ctgacttctc	aggagctgcc	tggatgctgg	cctcctgggg	180
aactggaact	ccagtttgaa	ctgaaattcc	ctgtatactt	gtcaggaaca	tccactggac	240
tgtgggttcc	ttggtacaaa	aactaagtat	ccccatgcct	gccacagtgc	ctggagcaga	300
acagacactc	aaatatttaa	taacgtatga	ctgatttgtgt	attaccgcgc	gcataaatag	360
aagacacaca	ggggggngga	ggataaattt	gggttaaaaa	anaaggctaa	atctgntggt	420
gntgcttcac	atganaaatga	nagtccttcg	gtttatggtg	gctccccggc	caaaacacc	479

<210> 330
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 330						
gaattcatga	cactgaagct	acccaacttc	taccatgcct	ataacatgat	caccctagga	60
agtggcagag	taacccgagg	gaagaagcct	ggatacctga	atgactatat	gaaacacagn	120
tgcccttaata	ccctcgatca	ctcactacgg	aactctgtaa	taaagtatat	t	171

<210> 331
 <211> 251

<212> DNA
<213> Homo sapiens

<400> 331
atgctatcta tacttatgtt aagcatcttc agagacacca tggatgatct tcattctgaa 60
tcccaggaag aattctggaa agcaatcacc tacctcttga tattttctcc gtcagatatt 120
acctaaagat ctttttggga cctggagaaa agggaaggta gaactgattg ataacttcta 180
tttatataga attaaaagaa tatgaaaagt ttagataaag gagcataaat aaaaaccttc 240
tactggcaaa c 251

<210> 332
<211> 446
<212> DNA
<213> Homo sapiens

<400> 332
gttgtctgcc aacgctaact ggccagctct gacaggaggt gcgtggccca ggaggagcca 60
tcaggccagt tctctgggat actgctgtgt ctccagctct gcagtttgct ctgcgtcact 120
cagcggcaga cggagaggca gacacgagcc ccttgtgagc cctcctcctt accgtcatct 180
cacaatgctc tgaaataagg aggc aaatgg ctgaggtccc ctgagttgaa gatgtgattg 240
agttctatct accagaagca tatgctctct ggaagcctgg ttctaacacc tctcacaaaa 300
tccttcaagc acttttttct gttccaagggt ttgcttatgg gggaccnnaa ggaaagggt 360
tnanancct aaagatttgc tgagtcatat gaggggcccag caaacctttc ctgtaaagggt 420
tcagataata aacattttta gctttg 446

<210> 333
<211> 498
<212> DNA
<213> Homo sapiens

<400> 333
gtgttgatca tgaaacattt tcaacccaaa atagtagagc caaatttgag cattgccaac 60
ctccaccac ctcccttcat cacatggatt tgttccaaac aacttctggc ccttcaagca 120
aggaaacact ccttcaaaaag atgaacactt gccatcacta acattgtgcc acaggctctt 180
aagacaattt caaatggaaa tgcaacgaag ttttgctaata ggtagcatca ctgaaataag 240
tgtagtgtct caaaagactc ctatgtgatg gtgaagaatt aagtgtgtat gtttaggcac 300
aagttttatt tttcaaagaa tatttcatct tgctatttgn cgaatgaaat cttaaggaat 360
aaaaagngnc ttaagttttt ccaaattgca aaaaggaatt accatcttcc cactgactcc 420
atgaatgccca aagtcactga aaactaagct taatgactgt tgaatcaatt tccaaagatg 480
taaaattctg ctttaata 498

<210> 334
<211> 345
<212> DNA
<213> Homo sapiens

<400> 334
gcaaaataca tgggaaaaac aaaacaaaac agtgaaccaa gaactcaagg gagaatcttt 60
tgagctcatt ttctgggtga atgcttccct ctaccgcag caccagaaca gaggagcttc 120
caggaagtta gagaattgaa aaatagagaa aaagaatgag tcacaagagg atcttatcat 180
ctgactaagt gggagactgg ataaaagcct tgtaaaatca ttgcagctta tatacatgtg 240
tatgggtatc aagtagcatt ctatttctca aattaagcat ataccgcant tattttgtga 300
gactataaan ttcttctaga aagaaataaa gaacattaaa attct 345

<210> 335
<211> 297
<212> DNA
<213> Homo sapiens

<400> 335
aggacttgct cagaacaagg gaagaagatg actatgcagc tgctcggtaa cagcgtctag 60
tcacactctg agatactgag gtcagcaaga acagaggatg cacactatgt cccatcttgc 120
ctttctgccc agaaagtctc agttactgga aaagcttcag aaatatttac caaaaaatcc 180

atttgaaatc	ctgaaattct	acttctcaga	aaaacagtat	tactcttgtc	tagaaataac	240
attcaggcct	caaagtgcct	tactgtcatt	acttctaaaa	ataaactgag	caaatcc	297

<210> 336
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 336						
tattgtttct	aaagaaacta	tgaagcaatt	caaccagagg	agaacaacta	ctgtgggact	60
gcagatgatc	ttagcctgga	agctgcataa	ccctccctacc	agatcaaatac	attcagcatc	120
catcttaaat	gagaaattta	agtaactaaa	aataataaat	ataaataatt	aaaat	175

<210> 337
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 337						
attcaagaga	gtgccaaagg	aaacaacagg	acagaaggag	acatgaggaa	gagatgggac	60
agacagcact	caaccctgag	cagacgtgag	gggcaaaaga	aaaggcaaca	ttaaggaccc	120
attcaagtct	caagtctcag	cgtcccagag	gatgggtgag	atacagcaaa	aatggagagt	180
gcaaaaggag	aaaggcagtt	gaatgtgaag	ataacggggt	cttcggggcc	tacctactaa	240
gtctggtggg	ataaccctgt	taaatgggaa	gagggaggcc	tttcttggtg	catttttagga	300
ggaaaaaaat	ggctgcctgg	aaagtccata	taccagcagc	aaaaagaaaa	gcnnaatggg	360
attaaaaaat	nttaaaaagg	cttcacnagg	agggttaagt	ntggcgggtg	tgccccatcag	420
agaccagcag	agacaactgg	ctctccggcc	tgagttcgcc	tacatcagaa	ctagcacatc	480
tctctgtcta	atttct					496

<210> 338
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 338						
gtgggtcaaat	gtgtgggagt	aaaatgtgtg	tttgaaatgc	cttcccagga	ctcagtatgg	60
ctcattttcc	tccttgccat	gagctgcatg	tccccatgat	tcggggcagc	ccgcctagggt	120
gctgttctct	ggctatcaga	agagcacagt	gaagtcctcc	tgcccctgag	aagatcgaag	180
actctgctgt	gggtcaagggt	ccttctccag	ccatatgtgt	tgtctaggat	tagacttttc	240
aaacagtggc	caggccttct	gagggtcacat	gtagcagtaa	aagcaagctg	tggccaaaaa	300
aaaaaaggnc	ngnggggnnc	attnannttg	gacttaancn	ggnggnactt	ntnnaaaagg	360
gggggactcc	c					371

<210> 339
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 339						
actgaggatc	ttctgaattg	gcggcctcta	catatgcttc	tgctaaggag	catgtattca	60
ctcaacaagc	attttaaacc	cccagcaagg	cacaagctac	aagggttaca	agagacacaa	120
gaagagatga	ggtggctcct	gcttcccaaa	gagtgtgggt	cagggaaagg	aataggcctg	180
gactttctcat	aacctggaac	atcttttctc	gaggccaaag	aggtgatccc	aagtgagagg	240
ccaaatccaa	ggaccctgcc	tgcccgatgg	gtgctcctct	gctgagcagc	caaaggcagt	300
gccacgaggg	ttcatctacc	tccaatagtc	acggagtctc	tccatgtgcc	ntttgggttt	360
nttgcnttgt	tttcccagga	aagccttnct	tgacctttca	gatcaagtca	catccacgta	420
ccatgaacat	tcacaccctg	tacctctctt	ttcacagcac	ttatcccaag	agaaactcc	479

<210> 340
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 340
cagagtgtgg gaccaaggac aaattacaga agcacagcag agaaggttgc ccggttcccc 60
gtttgcctat gaagttatgt agtgagcaaa taagaggaca ctggagcaca gcgctgctta 120
gagccgaggc tcagtaaaact tttgttctact gatgaatgaa tgtattaagc tgaccagctc 180
aatttgattc ataaagaaat agccttaggg cttttctgag gaagaacaca acatactttc 240
aatccaactt tttaaaaaat aaaacatgat tacacactcc taaataaata ttttcagaaa 300
gtttgcctat atgtcaaaga tttctaggat ttggaagcca gtatgttcgc aagttgtgag 360
gacatctgng ttattctcaa cacttccttg gcaaaacnan ngngtcctta cctgaaagcc 420
tgaacaata taaaatgcaa agctgacatc cccctgcctc ggcaactgca ctttcaccca 480
g 481

<210> 341
<211> 306
<212> DNA
<213> Homo sapiens

<400> 341
aaggaaagat ggaaaagagg agttatcatt tctttctcaa gatcctggcc ccatgagcct 60
cagtgtagcc ctagtctctg ggatcagcac caacaggcag ggaggagagg ctctggcgcc 120
ctgcagacag caccagggttc ttggcatcag gagctggata cagagtcctt gataatccca 180
gccacagaat atttcaaact caccgacatg tcctctaaat atcagatatg aaaaggettcc 240
cactcttgca cctgtcttgc tattatttta cagatgtgtt ctaaaagcta taaagacgga 300
aatcac 306

<210> 342
<211> 471
<212> DNA
<213> Homo sapiens

<400> 342
ataatacaga catgtacccc accacacaca atgtaaactg caaaagcaaa aaaccgagat 60
gcctcgtcca cagttcaacc ctctgcgaac agagccatcc tggataaaaag ggctgctgtc 120
atgattgcca taaactgagt ggctgaaac aacagagtca gaaatcaagg catctgcagg 180
gccatgctgt ctccgaaggc tcggaatatg gaccctcctt tgcctcctcc tagactctgg 240
gcaggctgca gatccagaaa gccgaagctg cagcaagctg gaaggcgcgc cgcaggagga 300
gttccttctt caggagactg cagtctttgc tcttacggnc tttgaaaaan atgggnatnaa 360
ncccccaacn ctatggaggg taaccgcgtg cattcaaagt ctacagattt aactattaat 420
catatctaaa aaacagcctc acagaaacac cagactggtg tttgaacaaa a 471

<210> 343
<211> 463
<212> DNA
<213> Homo sapiens

<400> 343
catgtctttg cagctcttct caccaagaat tggagtctat tttctcaact cattaaatct 60
gagctggctg tgtgacttgc tttggccaaa aagacttttag caaataagat ataagcacia 120
gcagagggtt gaaaagtgtc ggctcgtctg ggcttactgt attactgtct ttgaaatgct 180
gagatgacca tgtgaatgaa tccaaggaag cctcctggaa gatgagaatg ctgcatagaa 240
gaaaacagag gtctccagct gacagcctgc caaacactag aaatgtgaat gaggccattc 300
tggatcatct tgtcaccagc tgacctccca gctgactatc agtgcattgag caaaccacga 360
aaagatgagc tgagccagtc cagtgtaaaa aaaatggccc agccanccca cagaataatg 420
agctgaataa aanggttgtt ttaagccaaa aaaaaaagg gcc 463

<210> 344
<211> 149
<212> DNA
<213> Homo sapiens

<400> 344
gagtggaaagc agcctgaggc cctcatccaa tgcagatgtc tgtgcctgtc gtcttgtcca 60
gcctgcagaa ccatgagcca aataaacctc ttttctactac ccaaaaaaaaa aaaggnacgn 120
ngggccaatt cagnttgagc ttaaccagg 149

<210> 345
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 345
 tatatgaaga aatctggcct cccacagaga cggatttggga aacaagagga ctacacagac 60
 cctctgacag tctcttgggg gacacaatgg cttgccaaagg gatccttgat acacacttgc 120
 agaaccactt gcatagacca tcaccatcat cctggaagggt tttttcaaaa aagaccacta 180
 ctctnacttt cttnaanaat aacattgcct tttcttgatc ttnatggatg gggaaatcatn 240
 antgaentgc tnnnttgaaa taaaggacnt ttgaaaatan aaacntggac ctatgaanat 300
 atnaatcgga tgaagattct gaagngccct gatgntacta tttatggnct gnttaaatat 360
 tccaacttaa tgggaaggcc ctnggggggg gatttggcca cccttgg 407

<210> 346
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 346
 gatgctgtct tctgatgaaa acagaatcan gaatgagtga aacatggaag tttgaaaaga 60
 gtgaacatca acactggaaa ctcaagagtg tggttaaagag agaaaattaa tagaaaccag 120
 gaaacactta aggtntattt gaagtttgtt gtcttgaatt gatgtattaa ttaactctgg 180
 aatcaattta ctgtatttgg tgaaccacgc tttcagtggga gttcttctta atttctgcct 240
 actgttctac ttgttccaaa tgtgtgtatc atgtattttt tcttttagat ttttctacct 300
 aattagcttt gattctgtca tcaggattga ttttggctaa aataaaacac atatatgtct 360
 ttt 363

<210> 347
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 347
 gacttgtgtg gctcagatcc tccattcaag agagctacag acacgggggt gctggtgagc 60
 aggagccgag accatctggg gtgggaccga ccaagagttt gaggtgtcca gggggtgacn 120
 gtgaagatga cctatcgag aggggtccct ctcattcacg ctctgaagtc tgcacagggg 180
 caggggctac cgtgctccat tcagtttggc ctctgttgta tcagccagag gccagcagaa 240
 ctctatgggt actccccgt gtcacggaca atttggcacc tccaccggca gccaggggt 300
 ctgctgaat attctgcct gatcgtagga ttgtggggag ggatattctc attgatctct 360
 aaagaaaata ttggtcgctt ttt 383

<210> 348
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 348
 gatgatcatt cttgaaacca gatcccatat caagagaaaag tcaagtaatc atgaagagag 60
 gccacatgaa ggtgttctgg ccagcagtg cagctgaatc tcagttgcaa gccagcatga 120
 ccaccagaca gggaagtga caaaccttca acggaggcaa gccccagcct tcaaaccacc 180
 ccagccgatg catggggcaa ggacgagcca cactggcaa atgtgccaa actgcagggt 240
 caggaggaaa ataaatgatg gtggtgttcc cagtcattaa gttttatggg ggtttttaag 300
 gcaaccaaag acaactaaga acatttactc tggccaataa aaaaatgaat gaaagtgatg 360
 tgtaacttcc atgtggaaa ngttcattcg ccagtagtta agacattgga agcaagcttt 420
 tcttcttggg tgcaccaatt angaaaagaa gtggtgttgg gggatgtgcc ctcttcat 479

<210> 349
 <211> 614
 <212> DNA
 <213> Homo sapiens

<400> 349

cagaaactga	gcccaggttc	taccgacctt	taaaactacaa	cagagctttt	naggagaaat	60
gcggaagaga	cggcntttcc	accccgggac	cttaccagaa	aaccgcgaca	ccccagncac	120
aattggcttc	cttcattcaa	gccnagaaaa	agggactccn	acttttcacc	accaggggan	180
gccccctttt	cttggtggct	tgggccaant	tgcaaaaagg	cctngtttca	ttgggcattn	240
ccacaagggg	ngggggggaa	nttgggnccc	ccaacccttc	ctttcttang	cacctttnan	300
aagnggttnc	cttnttgttg	ggcaagnaac	aaccgaattg	gcnttaaggg	ttttcntctt	360
ttttncaaaa	cttnccttgt	ttngggtctt	ggggcnnaag	gtggnaccgg	aatcaattct	420
tttccacttt	gccattttaa	ttnaagtnaa	gttcaacccc	ngaaacaatt	tccttaatac	480
cttggggccc	cccccaaatt	tncttttttt	aaaanaaacc	aaagtttggg	cctntcccc	540
ccacttgggg	aaattttatt	tctaaaatat	tngggaacnt	tagaaattaa	aaanttggaa	600
gaaactttgg	cccc					614

<210> 350
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 350						
ataacatggt	tcaaagtggc	aaatttcccc	taagaattgg	aaaaatggat	aatacggatt	60
ggggttggag	agcccgggat	tctgattaaa	catggaatct	gagaactggc	agaaagcctg	120
gaactgatgg	aagagagggc	tctagggcct	ccatactaaa	tggtgaacta	ggaactataa	180
aagagataat	gtggtgaaga	gcttcagcca	tcaagttatt	ctaaaaatga	agtagggcat	240
tttatatgtg	gagagaaggg	cactgattat	tatctgacta	ttgctaatat	gtcccataga	300
acttatttgg	aataattttt	tactattaat	ttgaacaaca	gcagtggagc	tcttttatatg	360
tataataaag	ctaattttac					380

<210> 351
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 351						
gtcagatttc	ctgcaaggag	gatctacagg	ggcccagcac	taccttgaag	gccgtgaaca	60
gccacagagg	gaaagccgcc	ttgagtatgg	agcaagactt	cctcagacag	gtctcatttg	120
tgtcttccct	tccagcagga	ggaagacagc	acctgcccag	agtagtttta	gagggcactg	180
cactaaagaa	ggagaactgc	aggggaagat	cgtgccctaa	tggtatgaaac	atttcccaaa	240
tggcctggct	atctggagag	atgaggactt	gctcattagt	agaagtttcc	aggcaaagcc	300
tggataagca	tttgctgcag	gggtggggga	aggtgaaggt	tganangana	nctctaagat	360
ttctttgcct	tgg					373

<210> 352
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 352						
gctataaaga	cgcttgaat	cctcctccac	gatacccgcc	ccactatttg	ttggcacagc	60
tacgatgctg	cttatggatt	gttttcactc	ctaaagacag	tggcgcaagg	caaggtgacc	120
tggagcgagg	ccatcctgag	tgccccacca	gcgtcccagg	agcctgttgg	aatttgggaag	180
gacatttggc	tctgtttata	aagactggct	ttttgctgaa	agccagggtc	tcaaaaaattt	240
tgttttatta	atagaagcta	aacccccaaac	atttggctct	ttttcattcc	atttccccctt	300
tcacaatctt	aactattccc	aagacaatgg	atacctctgc	ctgtatcaag	ggcngattgt	360
caataanaaa	gtcaacagga	aataaacntt	ntttttttca	aaatt		405

<210> 353
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 353						
ctgatttaag	ttanttceng	gggnccnaaa	cctngnaaag	gttttttnatt	agggcagcaa	60
agggaaaccg	ggaaccactg	angaggagca	gcagaaaaact	tcacagcttc	tttgggtggg	120
cagcagactt	cagatttact	ggaagccaag	aaaggggaag	acagcagcag	gagggcttga	180

ccagctagct	aaataagtta	agccatggaa	agaagcagaa	gaaggaagct	caagaaatct	240
cagcaacaaa	cactcatgga	cttttttcta	aaaatggaaa	tttaaaactt	tctcgaccat	300
gacccacaag	aaatacatTT	tacacgttgc	atccaggaca	tagcaatatg	cctgtgagcc	360
actttgtggg	tgaaggggtt	ncatggtgag	cttgtttaag	ggaacatggc	cccnggggt	420
ntcctttttg	gagattcccc	ctggatttac	tggatcaaag	tctt		464

<210> 354
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 354						
ggaaatgcca	caagactatg	gccgtgcaac	atttccgcag	tgctcctcgc	tacaaagaca	60
ttcccctaag	gctgggtggc	aactcaacac	tcagctcagt	acgtggtcag	ctcgtcctcc	120
ataggagcct	tatgccttgg	tgaggagatc	tctgaagaaa	ttgctgatga	aagtccaaca	180
ggctcttcca	gtttgtctgg	tcggtcacat	ttgctgaaac	ctggaggaat	tgtagtgga	240
agctcaacag	gcctgactca	gtctgactgt	ccattcttct	ggaagctgca	gagaaaagaa	300
acctggaaaac	cctatatgct	gacaaaaagg	gacacaattg	gatatgatgg	ttattttacc	360
aaggttttga	aatgtcgtgc	tttcaaatat	aaacagactg	ctttaangga	tcnaaagtgg	420
ccttttaaa	ccaataaaa	ccctgc				446

<210> 355
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 355						
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ggatgttctc	agttgaagcc	cacactagaa	gagctattta	aacagcacca	aagtgtggg	120
attacaggtg	tgaaccgctg	tgcccgaccc	agtgtttcta	aaatatctac	aaaaacagtt	180
tggagttagt	cctaggcaat	gctttgctgg	aaatgggatg	tgtgatggac	catttctaagg	240
gagctgaact	ggctgctgtg	aagacatcag	gaacccaagt	gagactgtgg	tacgtaagtc	300
aggaagaagg	cacttgctcg	gttttgaaaa	catgtcctgg	ggatggntag	tgccctncagt	360
tcacaaaaaa	agcaagctgc	cttgttaggg	nanggannca	accanttgaa	aacacctcca	420
ntactgcca	tanaaacagt	tgattt				446

<210> 356
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 356						
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gcccgtggca	gaggggtggaa	gggcaagagg	acaagaaaga	ataataaatc	aaacttacag	120
cctcaagctc	ttttataacc	agcatcaatc	cattcatgag	gatggaacac	tcatgacctt	180
aacacctccc	tttaggctcc	accttccaac	atttgttaaa	ttggggatta	agtttctaac	240
acatgatttt	gggcggggata	cattcagatc	agaccaaag	ggcaaaggga	ttttgtatac	300
acagagaaga	agttgatgtg	aagatggagc	agagagccgt	ttgaagatgc	tagccttgcg	360
actggagtca	tatggctaca	atccaatgga	tgctggtaac	cnccaaaana	tgganggnng	420
ccggacnaaa	attcncncct	ggaacctcca				450

<210> 357
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 357						
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tgctccaagg	gcgccgtgtc	tacggaggcg	acgtgagga	tggttatca	ggttgggtca	120
ctcaccctac	cacgaggacc	tgaccttaaa	ttctcggtgc	atcctaagt	tgaccagag	180
accgctgcg	tcagaagcac	ctagaatgct	gtggaagcac	cttcaatgca	gattcctggg	240
cccaacctg	gttccactga	atcgggggtca	gctgggtggc	ccaggaattg	gcattttcaa	300
cagcttccaa	ttgtacacca	gaatactcaa	gcttgtgact	ccctgctca	ctgntttctt	360

catcctttct	cacttcctgc	tgagtacata	tgnattttac	tactttttaa	aganactttt	420
accaataaag	gccggcnttg	aaggggaaaa	aaaaaagcca			460

<210> 358
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 358						
gaccgcaatg	ctcctacgat	gacccctgtaa	cagaggtatc	ggacaccaac	cntgggannc	60
ctccttcaaa	ttatgggaca	tcaccaacaa	tcaatcacta	agagaagaaa	taatttagaa	120
gaagaattca	tttttggtta	ctcaaatata	acccaattta	aaggagactg	ttatttctct	180
tctctagtaa	gctacagaca	ggatctgctc	cctttaataa	gatgcttggg	taataacatt	240
tatttacaga	gtaaaatttt	ctctttatct	cctccacac	taaaatattt	acataaactc	300
aaaccactta	tggtgcctat	tccaaccagt	ttcttgctcag	agtgagtagg	aaaattcttc	360
attaaatgtc	attgcctttg	gggnaaacag	aacataaatt	aaaaaccccg	ctttatttta	419

<210> 359
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 359						
gccaaagagat	gcaaaggatt	aatcatgaac	ccagttgccc	agaggtggaa	aaaaaaaaatc	60
tggtgtggta	gactgaagaa	gcnagaagtt	atatgaacac	caagaggccg	gcaacatgag	120
tggtggcctga	gtctgacgcc	ttcgcccacc	ctcttccaga	tcacctgatc	cgaaagaagt	180
tacgaaaata	gctcanaatc	tgggcctgcc	tggaaagagac	ataaagattc	atttacatgg	240
gaaggtgact	gctctgaata	tccacagacg	acgaatctat	gctaattggt	cagtctccca	300
caaactctggg	atttatataa	ctggctccta	cccttgttcc	ttgccagcag	aaatgcttga	360
attatcttaa	ttccagaatg	naaattattc	ccattctgan	ggcntcattt	ttaagctggc	420
aaaggncatt	tttttnacag	gcctaaaaaa	aaatt			455

<210> 360
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 360						
atgatgtcag	aagtgggggtg	caaagtanag	gcttctgaca	acccccggga	gtactgagtg	60
aacaagcaag	gtatctgcag	aaccacttg	tgccaccga	tctctcagag	tgctgggaga	120
tcatggacaa	cagaatgcag	tgtgagggat	gtcaagtcac	ctgggaacaa	cactttctta	180
agaattcatc	tcaatttctg	cgtttttttg	aaaggctcct	aattgtttgc	tgctctgca	240
agctagacat	ctcttttcagc	aaatggagac	ccagatggtg	aggcaagaga	aggaatgacc	300
aaattaatga	aaatgttctt	tcagcttggt	attgagcttg	ntattctcct	gaatgcttgc	360
tctgagactg	ntatgctaac	tgaccctgtg	ggtaaaaanga	gaaaggaata	tctcntttgg	420
ttaattttaa	aaatantaat	aattgacaaa	aaaaaaaggc	ccccg		465

<210> 361
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 361						
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tcagaaaagct	tacctgagaa	tgaagtcaac	actggagaga	aagagaaaaga	aagagggaga	120
acatatcaga	atctctccac	aatggcaaca	aagatgggtca	ctagcaagtc	caagcctcca	180
ttctctttta	aacttgcaat	ccttgaggac	aaagaaaaac	gatctttttt	tccaatatct	240
atgttacttc	taaaagaagg	nattaaggaa	agcctgnatg	aaatttcatt	catnantcaa	300
gaccatactg	gccttgaata	aaatttataa	gc			332

<210> 362
 <211> 293
 <212> DNA

<213> Homo sapiens

<400> 362

ggagatcggt	tggaaagaca	gtggactgat	ccaagagccc	agtcttgatc	agcccagact	60
gaggggacct	taagagatgg	gaagactgac	atttacaact	tccccaaactg	gccgtgatga	120
tcttaagtac	agccactgag	gaagccaact	taagaatctc	ttcttgacct	tgctcagaat	180
tctatcatcc	ttcttctg	cccaaataaa	attcccactt	ccacaaaaaa	aaaaggccan	240
cgnggccaat	tcagcttggg	cttaaccagg	ntgaacttgt	tcaaaagggg	ggg	293

<210> 363

<211> 466

<212> DNA

<213> Homo sapiens

<400> 363

ttgtgcgtca	ctgcaagact	gcatggtaat	gaagccaagg	caactgtggg	caaaactctg	60
ctgcctgtga	gaagagaagg	gacagcggct	tggagagaca	gaacggcaaa	accgtgctg	120
ctgctgcttc	tgcttctgct	gctgctgctg	ctgctgctgc	ntttgcagct	gattgagaca	180
ctatgttgag	tctacaggat	tctgtgtttt	ttgaaattag	cataaagtcc	ttgttaaagt	240
cctggagcag	cagctgaagc	caagtaggct	gccaggcag	tcagaagaac	agagcagggtg	300
aagctgcaca	gcatgcagtg	gtgtgtcttc	ttttggggcc	aagcctgatg	caacttacta	360
tttgccaacc	cccggctc	ttccttctga	gtaaatggcn	ccactatcct	atgagtgatt	420
caagtaaaaa	tgctcttcag	cgccagtcag	caaagtaaat	aatca		466

<210> 364

<211> 283

<212> DNA

<213> Homo sapiens

<400> 364

tcacgaacaa	tctggatttc	atgtcacaag	aggaaacaga	gtcatcactt	caagtactgc	60
accaatcaag	tctgttctgg	taataatgtg	aggcatgcct	caagacctcg	atacatgaaa	120
gcaattactg	cagatgcctg	gctgttgcca	ctgttcagct	ttaatgtagc	agtacagaaa	180
gttatgcctt	ccactgtga	tgactgatcc	tagaacctgc	agacaatgag	tctaagctga	240
atacaacaa	taattatcca	agtaaagagc	ccttgttcaa	ttc		283

<210> 365

<211> 407

<212> DNA

<213> Homo sapiens

<400> 365

aatgaagat	ggcatatgga	aaggcgattc	ttatactcag	aaggaaaagt	tcccatggaa	60
gccatggatt	cattcatgac	aaagtgggtg	gcctgtttgt	ttgcttgaga	ttggcaaaaa	120
tccaaaatgt	ctgtgcacac	tgctggtag	gctatggtaa	aacaattaca	tatttctggt	180
tggtgtgtcc	ttgtgaagt	aaatttgcca	gtaagtaaca	aaattactca	tgcatttccc	240
acggatcagc	atctccactt	gacataaaat	aaatgctaga	gatacacatc	tacagggtatg	300
aactacaagt	tctgtagtat	acaaggatac	aggtaattta	ttctgttgtc	tatgatggca	360
taaacagctt	aaagtgttta	ttaataaggg	gcctgggttt	gttaaag		407

<210> 366

<211> 466

<212> DNA

<213> Homo sapiens

<400> 366

agcatgctgg	acagcctgga	gctggagccc	acctacaacc	ccttgcatgt	tcaaagccac	60
ctgtactcac	acctgagcag	catctatgcc	aagcctcagg	ggcggctcca	cccacactgg	120
gagagccgag	ctccgagaaa	gcatccctgc	aagactgggc	agttgcagac	caaccgagct	180
cgagctactg	tgccccccct	gcctatgact	cctgtcccag	gcagagcctc	caagatgcc	240
gcagccagca	aatcttcttc	agatgccttc	ttcctgcctt	cagagtggga	gaaggatccc	300
tcaaggccct	aagtcaccag	caccagagcc	cagctgcccc	gcttaaccat	attcatgctc	360
aggttcacat	aatgggctat	ttgnggtcaa	gacttgcttt	tttttcccn	ggganccttt	420

<210> 367
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 367
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 aaaataagat gacaccctct tggaagattc ggaaaagtgt atcagacttc aagagccagc 120
 tcagctacta cttcaagcta acctttcttg agacctcccc ttacctgct ttcactctgtg 180
 ctgcccgttg acttaactga atcacctagt ggactgaatc tggccaaact ccagggccac 240
 ctatcatgag cagccttggt tgctggcaat ttgcagagtt gcaaggggta aaggactggc 300
 tttgactatt cagtctttca gtccatcaca tcttgccctg atgactgcag tggccactaa 360
 gctggtcaca gagtgaagctt tcttaaatgc aagtgtnaag gatngnnaaa ccctcaaggg 420
 gctttnantt tttccaaggg ccctgtncct tggaggggca taccattgaa gggta 475

<210> 368
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 368
 ggctgggacg atgaaatgtg atgggctggg aaactcaagc cngccccag gtgggaatca 60
 ataaagggga ncgggtgggc tttggcttat tggnttggcc caagcctggg tcttcaaaac 120
 ctggggcctg gaaatcaaata ggctttccca ccctcaagct tggcccagaa gggaaaacccg 180
 ggggaattac cagggccctt gaanccact ggcaggccca gccaggtnt tggttaattt 240
 tttaaatggt aaaaattctt taantaaaaa caaacctcaa ggaagctct ctttgtcncn 300
 ttttaaaan ccatttttna aactttcttg cttaaatccg ggaagnngta atatttcaag 360
 nggcaaacctt ttggaattct tgtggcctcn cttggggaat gccaatccc ttcaaagcct 420
 tgggcnccca aaaataaaag gtcttcccg cttgattattt aaaacc 466

<210> 369
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 369
 aagccaaaga ttttgcagaa tcaaggatgg atggagtatc aaaataagga acggaaaaaa 60
 ctgaagatat actaaggatt aaggcccagg ttcacttagt gtccccaggt gccaggcatt 120
 gtgctgtgac tgtgatgtga aaaaagaggc caggacaact ggggtctcatt cagtcagact 180
 ggagtgcagt ggtgtgatca cagctcatgc agccttgacc ttccagactc aaacaatcct 240
 ttcattgatc tgggaccaca ggtgcatgcc accatgatca gtttattttt aaattttttg 300
 tagtgagcca ttgagtccag cataatcctt ctaatttagt tccttatctg aaaagcgagg 360
 acattgtgac aatgatctca gaacactgtt gngaaaaanta aantctnaan ataaagggtn 420
 ggggcccaaa aggcctttaat tggaggttgg cttaanctat aaaaaaaaaa gggta 475

<210> 370
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 370
 ccctgaagga ggtgctccag cggcctgctc cgtcctgtcg gaggttcct gaaggcctgt 60
 gttctcacct gcccttagtg gaaaccttct attcatctga tctattttct tgtgggtgtc 120
 agggcccaca tgtctccatc tccctttcca gctccaagat atctgttatg ggctgcattg 180
 tatctccaca aaattcatat gttgaagctg atatgatattg gacctgtgtt cctgcccata 240
 tcccatgtca aacgccatgt gatgtgtgct tcccttttgc cttctgcatg attgaaagt 300
 tcttgaggcc tcccagaac caagaagatg ccgcatgctt cctgacagtc ttcaaaacga 360
 tgtgtcaatt aaatctcttc tctttac 387

<210> 371
 <211> 462

<212> DNA
<213> Homo sapiens

<400> 371
gctggagtgc cgnnggcacga tcttaactta ntngnaccent tngcntccng ggttnaacca 60
nttttctgt ctcagettcc ccagtagctg gggattacag cgccctctgg taggcattgc 120
agagagaaga atgcaaatta aataagaaaa gccctctgcc cttcaggagc ttttggtgaa 180
gatctctttt ttaaaaagct gcaagactgc tgcccgaagt gggacacaca acctaaataa 240
gggcgagaac cggcaaggac ggcccagcca cgtggaaccg cctcgcaact ttggcgagca 300
acttgagatc ttctagagac ccaggagtat gttgcttcta cctcagactg gggagagggg 360
agcttcccca aaccattggn gggagatgaa natntcaacc anccgaattc ctgttcacga 420
ccaacctgtt gtgagctctt ctgggggatc aacaatggct ga 462

<210> 372
<211> 263
<212> DNA
<213> Homo sapiens

<400> 372
ttttctntat gaaaactact nntcacantc nmantccttt nangttaaaa antnaaaggg 60
naggccagnc ccgggggttc acccntgtan tcccagcact ttggaaggcc aaagcagggtg 120
gatcactgga ggctactttt tgttccctta atgcctatcc attcgtctcc tctactcccc 180
gcttccccctt ccttcataca ccaactcaga gttcgaggca cctgcccatt tccttccaaa 240
taaaactgta aagagggttac aat 263

<210> 373
<211> 230
<212> DNA
<213> Homo sapiens

<400> 373
gaagtcaagt tgattacttg gcatcagccc ttcacacag atactactga aataaaaaaac 60
caagggaatg tgaaaaaaac ggaaggacac tgaagcccgt ggggaaataa tgaagtataa 120
gtgcttcaga gacagcaag aaatggaata atatttcttc tgtgaggacc tcagtaataa 180
caacccatga gtgatgggac ttattgcaaa tggcaagagt gctgttgagg 230

<210> 374
<211> 338
<212> DNA
<213> Homo sapiens

<400> 374
ncatngtnng ggagttgntg naaccactgn ctgactcttc atancaccnc gcttttncct 60
tggtcctcna cactgggtgg ggagccctac nttccatgaa gncttgcaa acnggggtgga 120
tcggnnctcg cntatcacag ccatacaatg actcttcagg aggaaatacc agcctagacc 180
tgctcagggc ttaccaaactn gtgacnatag gtgaggtgna gccagactag actnacacca 240
nttcggnatg atctgacgga anggccggca gaccctatat cctcagatgt gtccccatcc 300
acctggcaca tgtctggaac ttcncattac agaggggg 338

<210> 375
<211> 412
<212> DNA
<213> Homo sapiens

<400> 375
caacctcgaa aatgtccaac tgcaaagacc catgtctaca aattgctgtc agccagagga 60
atggctgtaa ctctcttggt gccgaggact ccctgctcag ttctactta cagtatctga 120
gtcacttaac taaatgcaat cggcccagct gcaggacca ctgctcgggc cactataaga 180
accagccccct gagcttccgg acaggaaaca gcatctgcat ttccagactg tagcagctca 240
tcatgccagg ctccacaggc aagaatcaag cagatggaag ctacagagga aacaaacagg 300
gttccctgaa atcagcagct ggggagaatt tatcttaciaa ggggtggaatt cttgattctt 360
tcattacatg tcctcttgca gcagcagcaa aagtaataaa aaataagagc cc 412

<210> 376
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 376
 ctcagggccc taggggagtc aaaaaagatg aggacacgtg aagactacag ctgcaggcct 60
 agaagactct ctcaagaaca actgtcttgg attcccacag ctttcccctt tctgtggtca 120
 ccactcagga ctccctaccc tgccccacaa gcctgcagat tctgagatga cctggaagga 180
 acggaacagg aaggcgtgag ctttggcacc agtttaacgt agaactgtac gggccaaaca 240
 cagggccttt gattatagaa aaaaataggc ccattgtctt ggtgggtgga accaaagcat 300
 agcagcatct aagaaaccag tttctttgtg tccagtgatg agggcttagc cctaaaatat 360
 tanggtgggg agggaggagg ggtgaaanng naaacatact ttaataaaat agatta 416

<210> 377
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 377
 tcaacagtca taactttttg aggacacatg tttattgctg ctgctggggg cagctgctct 60
 tgtaccctct ttcaaattgg ctgtggaaga gacaaagctc atctggctgc tggggcagtg 120
 gcatcctcat gcaagctggg ctactgggtg ctgcccctgt gacctgcttc tgaatggcca 180
 ggacaggaaaa gtctccact gtgttgcat taaagaaaag aaaaagatga attaatgtaa 240
 aagctctgca aac 253

<210> 378
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 378
 gctgaaatga accaaccatca gcagaggccg cggcagagtg agagagctgc ccatgctggg 60
 agaagccctg gtctttgtct ccacaaatgc tgaaactgac agtgtttctc ccagagtcca 120
 agtctccatt agccaagcca agagcagagg aaatgttctc cactggagga aagaagaact 180
 gtcgacacca gaaaatttcc tgctggaatt ctgcccaga atagctggcc gtccatagga 240
 ggtccatcat tacggaactt tgctgtttgt aaatttaata aacgactcac atctgcttat 300
 aat 303

<210> 379
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 379
 gtgtggagca gagaaaaggc tatacccact gatgaacagg gatccacacc tggggaagaa 60
 gcaagtatga ctttctctcc tgtggcttta cacaacctcc ttgaaattcc aagagcaacc 120
 ctcccagcta aagtcttctc agatgtgaca cgatctgcac aagcagaggc ggcacagggt 180
 ttggcttcca gttgggaaat gaagctccaa gggcagccct actatggcgg gctgtgtgac 240
 ctgggccaag ccccttgaca tctccagact cggcttccac atctgccacc accaggacac 300
 tggattgaat gttgggtacg ttgtaaggca agggagacac agaagtccta aaggcaataa 360
 agcttttccc cactgcccct cc 382

<210> 380
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 380
 agactgggtc tactacatt ggccaggccg gatttgaatt cctgggctca gcctcccagag 60
 tagctgggac tacaagcatg taccaccatg cccagttttc tgcagcagtt ttataaacc 120
 aaattttcca aattagaaag actgaacaaa gaagcacttt tatacgagga ataacttacg 180
 tatggagaat ctcaacttgg accagtcaag accaactcca gcgatgaagc cagaatgtaa 240

tatatctcaa	aaggctaaag	aagtccat	tcccagatgt	aaattataat	taaaaaatag	300
tgagccaaac	tctaataatcc	caatgtgata	atcttttcaaa	taaaaaatatg	ggctgtagtt	360
cagg						364

<210> 381
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 381						
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aaggagtccc	aaagctcgcc	atgactcaac	aggaagctct	ttgtgtcttc	ctttctacac	120
catgtctgac	aaagaagctg	tcttaagttc	atgggctct	gtctcttgcg	tgaattctga	180
agtcagtga	gcaacaatga	tgtcattgct	tctgaagacc	actgttggct	gagataatga	240
agatctcttc	acccaaaaca	ttgccatttc	tgcagcatatc	atttctacc	ctttcaaata	300
caaaagtatt	ctaccgat					318

<210> 382
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 382						
ccagcagaca	tcaaggactt	ctgaggagcc	tggtaccttg	cataggcact	atggaccctg	60
ttttgcttaa	cccacccaac	agccaatttt	agcagacatc	ctagttttgc	aggtgagaag	120
agctgaggta	cgaagaagtt	ttgttaattt	ttccagttca	cgtaacaagt	aaatgggaaa	180
ccaggatgaa	aatcaagggt	tatctgtcgt	cagactgtta	ctcataatca	ccattcggag	240
agttcanatg	tgggacaaga	ttctaactcc	nnccttctcc	caaattggta	atntgccagg	300
tgccctanag	ctacatatg	tcttatttgg	gtgatnnact	gannctgnct	gaatnttana	360
agccttgtat	cttntgnant	nncaaanaca	naagagnccg	nggggnntat	ttaaattnga	420
antnaaccgg	cctgannngc	cnaaaanggn	ggggcttccc	agg		463

<210> 383
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 383						
gtggggctct	tcagtgagga	cactcaagca	gctctgtgga	gaggaaccat	cttgccagct	60
ccaacatgcc	agccatgtga	acaagcccag	gtggcaaatac	acccagcctc	agtcaggctt	120
tcagatgacc	acagcccag	ttgatatctg	actgtaacca	catgaaacac	caaactctgg	180
actcacagaa	atcatgagat	aataaacaat	gattgttttg			220

<210> 384
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 384						
gcaaagaaac	aaagaggaag	gtgtggatgc	tcacccagaa	gtcttgtctc	ctcgcagtc	60
cttagaagct	caatcctcag	gagacagtgc	actgggggtt	gccaagggga	cctgaaatac	120
cggtttgcca	caatcctgac	caaatcggct	cccagggctg	agaagggaga	aggtgtcagt	180
ccattcaaaa	cccacgtgg	ctgattttga	agtggaaaaa	gaaaaaaaga	agcaaagaaa	240
agcattgctc	agcaatgggc	aggaagaaga	gttaagaggc	tgagctcttc	ggcaagaaat	300
gccatagctc	tttcaacttg	gacagagcca	ggaccacagg	ctggttgtgt	caaaaactgg	360
gtgttcttgc	ttagtgcata	aggtttggtg	gttttctctc	ctctttcctt	gagccctggc	420
acttggggac	cctg					434

<210> 385
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 385
attgtgaatg ccagcagaac agctgacccc aaacagcttg aagaccccca caacagaact 60
gaatcagcat gaaaatgcag tttctccacc tctctgttcc atgacttcac cctgcactct 120
tccaccaatc aatgggtctcc acactttggt cgacacccaa acgcttaaga acccaaccct 180
agccccaaat tccttgggga gacagatttg aggagtcttc ttacctcttc atttggcagc 240
cttaaaatta aaactcttcc tttgcttc 268

<210> 386
<211> 542
<212> DNA
<213> Homo sapiens

<400> 386
gtgacatggc ttacaaggct acttgtaatc aacttctcat ggctcatccc catttgtgcc 60
ctgaactcca aacgtactga gttacctgca gttcctgtaa tccagcatga ctttgtcctc 120
caagcctttg ctgtcccccac tcatccttca gttcctagct caggaaatcat ctccatcaag 180
gtttccctga cttctcccat ttcccaagtg aggcgttcag agagtccctgt gttaccttt 240
ggggtagcac ttacatcctg ctccctaact gtctgtagaa tcatctgtct tcgctgtctt 300
tgagcaccct gagggcaggg actgcagctg ttatctgggt acatacaaca ccaaataaca 360
atgcctaagg catgccagat attcaataaa tgtctgtgta agaagcaaat gtttaaacat 420
ttccttcccc agcatgcctt ctctgactat cccacctcc ttccagaagt actcacctaa 480
tccatgcgga caccatagac caagtgcatt tataaaactg gtttataata ttaaatgggt 540
ag 542

<210> 387
<211> 282
<212> DNA
<213> Homo sapiens

<400> 387
gtatantant tcttatangn nngnnnnnnn nnnnnnnnnn gggatgctcc ttcttgacc 60
cagccacca ctgggaaaag cctaagccac gtggagcanc tacatagaag agggccgggg 120
ccacagctac agccagcagc tctgcccagc cagctgagag agctacctg atgttccagc 180
ctccagagat ctaagagctt ccagacatct accacccag ccacaccacc tgagccaatg 240
tcccacagag tcatgggaga taataaaagg ctgtgttct ct 282

<210> 388
<211> 263
<212> DNA
<213> Homo sapiens

<400> 388
aggcaagtcc tccgttgccc aagctggcct ccaactcctg gctcaagtga tcctcccacc 60
tcggcttccc caagagatgg gggttacaggc atgagccact gtgcctggcc tcacaagatg 120
ttgttatctt tgttttacac tatcaatgcc catgcgtcct tacttaatta ttaaccactg 180
tattgctgtt cattcttctt gcatctcata tcttccatca gggatcattt ttcttctaca 240
taaaataaat catttgtaat ttc 263

<210> 389
<211> 292
<212> DNA
<213> Homo sapiens

<400> 389
gtaatgcttg tgggtgtcca gacagcagaa tgtgagtggg acatcatatg taccacctct 60
gggcctggac catagaactc acacataatc cttcatgttc ttatgtgacc acacagatga 120
acaaagcaag ccaagtgtgg aaacgtgtta aagatgacgg aaccacaaga tggaaacaagc 180
ctggatccct gaatccctcc ttggaggatt agtgcccaca aattgtaaac agccaccag 240
atctcagcga gcaagaaata aattatacct gaatgtttta aaaaaaaaag gc 292

<210> 390
<211> 244
<212> DNA

<213> Homo sapiens

<400> 390

gattgtctcc	aatttacctg	gaccacagcc	agcaccgtat	cctcaggcac	cccatgggac	60
agtacataca	gaagaacagc	atcacaccac	atcctatcac	caaggccagg	attctgtgcc	120
tccgcccccc	tccccacctc	cttgaaacgg	gggaagtagg	gggaagagtc	aattcttctt	180
ggagcacatg	agatggtagc	ttgctgtggt	gtcctgaaag	aaaacaaagt	ttgtaaatca	240
ctgt						244

<210> 391

<211> 436

<212> DNA

<213> Homo sapiens

<400> 391

ctgaggaata	tatgattggt	ttcttggaac	aatttcacag	ctggcatgga	actgaaaccc	60
tgtactcag	gggaaattag	gacagctct	tgtccagttc	aagctgactc	cactgagcct	120
ccaatggcct	gtatgaatgc	ccaatgagtg	cccttttgac	atcagaaggc	caaaaaactcc	180
accctcagat	tgtgccaacg	acaccatctt	gcgaacgtgg	atcctatgaa	aagccatgaa	240
gcttaactgc	actcgcacag	atcagcaatt	acctcacttt	tccttaccac	caattaactt	300
tttccatgca	ttggtgcct	tgtttcttta	ttccacaaaa	atccttatgg	ccccactttc	360
aaggagggag	aaatttgagg	gnggttatcc	cacctctca	cttggctgcc	tcatgaataa	420
aatcttttct	cctgc					436

<210> 392

<211> 178

<212> DNA

<213> Homo sapiens

<400> 392

aggctgttgt	gatatcctgc	atggacaagg	aaatgatgtt	catctaatac	accacttgg	60
gaacactttg	atgcattggc	tatgattgtc	tttctgtttt	ccctaccctc	atctctagcc	120
ctgtcccagt	atgagaacat	ggaaactcat	tttgaaaaat	gtgaaatgag	tgatcccc	178

<210> 393

<211> 263

<212> DNA

<213> Homo sapiens

<400> 393

attgatcgca	gagttgaaca	acagagaatg	tgtgcacagt	gccaggcaca	ggtgtggtca	60
agattcacct	gggagaggaa	gtgggcaggg	gcagaggagt	gtgcccacct	gagctgaaag	120
gctgcatggc	aggtgaccat	tatcaccagt	gtcgccagcc	aggtcacctc	tctgaatttt	180
gtggttgcaa	cctccatgat	tccctagagc	tgtttttacc	cagaactaat	gaaaaattct	240
gcacattaaa	ttcatgctat	tag				263

<210> 394

<211> 267

<212> DNA

<213> Homo sapiens

<400> 394

ggccccctaac	agtgtcatag	gcctgatgga	gcagcggaac	ctgcctgagg	gtaaagctga	60
agttcctcag	aaaccagacg	gccttacagc	ctcttcactg	ctctttgaga	tggagagaaa	120
gaaatgcaga	tgagtgtctt	ctgtacaaa	tctcatctct	ccaagctgaa	gttgccaagg	180
aacatgccat	cactgtaact	gctaaaaaca	caacgtataa	tgaaatgcat	cttctacaaa	240
tgaatctgtg	aatacagaat	agcctac				267

<210> 395

<211> 180

<212> DNA

<213> Homo sapiens

<400> 395							
gcacacatag	ttccttttgg	cgctcttatct	tctgaagctg	cctcaaggcc	aagcaaagaa		60
agttgttaaa	aagttaagtt	acttttcaca	gcctgcaaac	ccttcaaagg	caagaactca		120
aatagaaact	tggaaaggca	gataagccag	aaaagtgtac	taataaacgc	acttaatatg		180

<210> 396
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 396							
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tatgtcataa	aagattagat	caacctgtaa	ccagagccta	ttaagtgatc	tccagcaact		120
gtctccgagt	tggaaagtgc	agccaaagaa	tttcagtgat	tgcgttttgt	gtacttacac		180
ctgtgggacc	agcactctcc	atttaatgag	ccagctgctt	ttctgattgc	ttccccggat		240
ggccaagtca	ctgcagaagt	ttcttgaaag	ctcaaagtgt	gccttttcct	aaactaccca		300
tggccccacc	ccacctcatc	ctgtgcctat	aaagaccca	gactcaatca	gcagagagga		360
gaagcagctg	aatgttggag	agaagggact	tgacttcaga	gggacagctt	gatggagtaa		420
ccggagaa							428

<210> 397
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 397							
aaactctnat	ctcttntccac	tgncntngtt	attcaagagt	ttgtttctat	ggnggagcta		60
atgagtctca	tccttgcagc	taatcaaagt	tacnanagca	tcaacagaat	taagatgggt		120
ancgaggtga	ggccttgaaa	tcaacatctc	cgcttccttg	cataaacctt	tcattgagac		180
tcctcttcca	tttgggcaac	ttgatgtggt	tcaagagcat	ggagaattga	tctcttaaga		240
ctcataaaat	atttgcttct	tcaaaaagaa	taaaggaact	gaaac			285

<210> 398
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 398							
gttggagatt	acatgtctaa	atcttgttca	cacctatggg	attggacaaa	atcttctcat		60
gaaactaaga	gaacaggcca	cagagtgtct	tgcaatctat	gctgctagca	agtgtcttct		120
tcattgctga	tggtatacaa	aaactagcaa	taaaggctta	ttctttcct			169

<210> 399
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 399							
gaggaaaagg	tggaccctgt	atttgtgttg	tgtaccctca	ctctaggagg	tgtcttcaca		60
ctaagagatg	gccactcagc	ttctggcatt	atcactctgc	atctactttg	ccaagcttct		120
tcttttgaaa	cgtcttgtgt	aggcagtagt	taagaatatg	ccaccagaa	gaataccaga		180
tgaataaact	tacaaatatt	ttgaataaag	ctcaatctaa	caat			224

<210> 400
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 400							
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aagcaaaatt	acctgaanaa	aggtncgaaa	aactgggtccc	aggncntaa	aatgctgngc		120
tnnnaaaang	nnatntnggn	nnaaaaaac	ngnnancccc	ttctcccc	ntccagaaac		180
ctanaattna	cgttctacna	cttccacaac	ccaattccaa	cttctttnt	taatattgtg		240

aangngtata	tgcccatg	gccttctgga	tgtgttcata	aattctgaaa	aactctgaac	300
tcggaagctc	agtgaagccc	agggtttggg	gtaagatatt	acggacctgc	ncttnagcca	360
aaagtgcctn	cgctcactct	actactgnnc	tactgnncct	gacggnnngat	gtcccncaaa	420
gccnccttgc	tgtggggcag	gggggcccc	tgtccttttt	ggggaa		466

<210> 401
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 401						
gtggggtctt	tcaagctcag	gaacaaagcc	ttagtcctta	caggagaaaag	gcaatcctaa	60
ggagagcggc	gcctgaaccc	tttcctacca	tcaagaactc	aagaactcag	cctaataaat	120
gtgggcagaa	ttcacatata	ccagctccag	gcctggccca	taacacttcc	tgcatgatct	180
gggatgcaaa	cgatccagtg	gaggcctccg	aggccctaag	gatgaagcag	ctggagacag	240
aagggcctgg	gtccctgaat	ggctgggagg	aatagagccc	cagtgcagtc	tacttgcacc	300
cccaccttga	ctctgacata	ggcagaaaata	aattttttaca	ctctaaaatc		350

<210> 402
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 402						
agatgtatca	aatgggagac	ggccagcagt	gatcaagtct	tgattaatac	tgaaaaacag	60
aagcttgtgc	tcacaatccc	tgccattaca	attctttata	gtatgtaagt	actttaataa	120
acattatgaa	gcg					133

<210> 403
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 403						
gaaggaggat	atccctgcga	tcaccaagcc	tctaccctta	tcttccaaac	cagtcactta	60
ccacagatgt	cttgtcaagc	tgaatatact	ccagatctga	cttctttcct	ctactggtgc	120
tcaatacaag	atgctttact	ttgtcacaa	aagcatataa	taaactcaaa	gctgcaaggga	180
tatatctgta	agggaaatct	tttcttgatc	tggctggcct	tgaacataat	caccagaaaag	240
actttttgtg	ctcagatatt	atggttgtaa	atgaggattt	ttttcctcac	ataagaatgt	300
atctagtcca	ttataaaatg	ttattgatgc				330

<210> 404
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 404						
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aaagatgatt	cgacttcagt	gggacagcta	gacttttgag	gacagacggc	ttactttcag	120
ggaagagcca	gctagtga	accggacttc	agggaagatt	acctgcccc	cctgaccctc	180
ctccagctcc	cctctctgct	gagagcaact	tctatcacta	agtaaaatct	tctacctcca	240
cc						242

<210> 405
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 405						
atgggaaact	gagggtccgtg	aagtcacttg	cctggatcac	acagctcatg	accagtatgg	60
gtcggcctgg	gacacaggca	ttctggggct	caccaccagg	tgttccacgt	gtcaccacta	120
gacctcccaa	ccaggggagc	ctgccgtgc	cccagcctgg	agacgtgaca	cttctcccag	180
ccaggaggct	ccagtgaaac	cagggtattc	ccaggctcac	cctgactcct	catcttgcta	240

acgtattttaa tctctatcct gtacatgaaa taaatatttc atctcatct

289

<210> 406
<211> 436
<212> DNA
<213> Homo sapiens

<400> 406
caaaaggaaa gtcacagcca gagaacgtga ctcccgggtga gcctggagcc agcgtgactg 60
cagagggcca gtccccaggt gatgccggta cgctggagaa ggctgggaa gatgtgcgga 120
gacagacacc tgggacacct aaggaccaag cccagagcca cgctgctgct tccccagctg 180
ccactgggct gcatgaaggc agaacatctc cagtgaagtc aacattcagc tccaacctta 240
agcctccacc atggccaaga aaggcattgc tgctggggga gaaatggaca ttaacactgc 300
ttcaaaaggg tgctgaaaaa cacccttcat ccccgatggc ttagcttggt gaattcacgg 360
gtacttgcat ctgaccctca tgagtctatg tagaaaaacc tgggtgagga actggttgtt 420
gacacccaca tcagct 436

<210> 407
<211> 179
<212> DNA
<213> Homo sapiens

<400> 407
atatgtttgt ttattcgaac aggatgcagt ccagtcctgc tgacttagga tgcagcaacg 60
aggcactatc atggaagtcg aaactgggtc ttcaccacat accaaacctg ctggtgcctt 120
ccttgatctt ggactttctca gcctccanac cngtaaggaa ataaattctt tttttaaat 179

<210> 408
<211> 419
<212> DNA
<213> Homo sapiens

<400> 408
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ctagctgcga tatgccaga ttgttttaag ccagccaaaa acaaacagtc tgtattcact 120
agaatggcag ttatgaaagc cttgaataag ataaaggaag aggatttcct taagcagttt 180
ccttgctctc caaactcacc aaaggctgta tgcgctgttc ttgaaattga atgtgctcat 240
ggtgctgttt ttgtagctgg gagatataat aaatactcca ggaatctacc acaaaactcct 300
tggaataatt atggagaaaag gaagctggaa tcttcagtgg aagaattaat ttcagatcat 360
ctgttggcag tattttaagc agagagtttt aatttttcat cctctggaaa aaaaaaaag 419

<210> 409
<211> 409
<212> DNA
<213> Homo sapiens

<400> 409
gaacccagtg gctctgagct cagcacgcga tgcacccagg aatgtggcct tacgttggtta 60
ctgtgcccac cctgcgaaaa ctgggaagaa atgaagaagt catcctcttc ctgagacaga 120
gccagcagc cttggggcgg ctgagagaag atgggatcca cgtggcccat agcgcacccc 180
acaggccttt tctgggaaaag cagtcttctc tcggggaagg gagagacacc tgccgaggac 240
ctgccagggg ctctcgcaact gacgctgctg tccttaatgc ctcaacagta caggcaacat 300
gggctacgct gagcccctgc tctcctggaa gtctggtatt ttggtatttt ggcaggtgcc 360
aggcagaggg tgcctaagac cagccccata aagtcacctg gccttcccc 409

<210> 410
<211> 443
<212> DNA
<213> Homo sapiens

<400> 410
gccagcatgc acggcgaca ccgtanctgn cgtctggagc tccagggttg ggggaattgt 60
gttacgcatt gcctgtcact aggtatgagg ctgcctccga tttccacact nagaatcang 120

gctgcagngc	cctttgtgcc	catggctgnt	gatgcacaca	ggattcttnc	aaaacaagag	180
gccctactct	gtgactgtna	gccttgccat	caacactnct	ntttggagna	nagctncctg	240
ntggccctga	ggcaggagnn	ttctgagatc	ttnacntatg	ctgggcttga	tccangcctc	300
antacaggtg	aagaaacgga	ncctgtaaaa	ntgaagtggc	ctgcttaagg	gccngggctg	360
aaagtctgag	gcctggtttn	aanccaaacc	cnggcaaggc	ttttgagaac	tccacnnttg	420
ctgccatctt	acgtccaggg	agg				443

<210> 411
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 411						
agattggaga	taacttcaat	tggtattatgc	ccctgggttcc	ttatcctgac	acttctctgga	60
tgatcccatt	acaaatacat	gtgatgacat	ctgttg			96

<210> 412
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 412						
acaggaaata	tgctgacacg	ataataagat	gtgagggagg	cacatcttaa	acttttgtgt	60
gaagacccaa	tcatcatgct	gacgaatcac	aaaaagatca	gtaaagccca	cccactctca	120
caggtgggtg	cactgtggct	ccatcacatc	agctagacct	ggccatgcag	tcccaacttg	180
ttacctacag	ttccagctgc	caactcaggc	catctcactg	aatgaaatac	ttgcttcaac	240
attgaagatg	tttctctctg	ccactcagag	gaaacaccct	ataatgaaca	ataaacaata	300
ggactc						306

<210> 413
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 413						
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gagccagggt	ccacaatgct	tgatgantac	aatnttttca	ngaanacagc	anaacagcat	120
gaagaaaaga	aacctggatc	tgcaagtgc	taagcagtga	gcaagacccc	accaacactn	180
ggccactnct	tcttggacca	tccttaataa	agttatttc			219

<210> 414
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 414						
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aatctctatg	cgggactctg	aatgtgggtca	agaagaagat	gtactggatg	cacattccct	120
atcaggagtc	tcttaatatg	ctcccaccca	gttacaacat	attgctgtaa	tcccacacaa	180
cagctgaaac	atcttttctt	catttctttt	aattcctgta	gcatttgatg	tctccaccgt	240
gtaatttaca	tttaattgta	agttgttttg	catcatttaa	tagttgtttc	aagtatgaat	300
gtcttgccct	cccaagaaag	attaaaataa	gaatccttta	aaaacaagag	cttactggng	360
ccagggccng	acttagactt	agagtaaacc	ncaactactg	gcttcacttc	aagctgacct	420
aaccatcttc	ccagcgaaga	cggncaacct	ggaacta			457

<210> 415
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 415						
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aggccgtctc	tcaggccagg	gtggetccac	gggtcccagc	acatgcaggg	gctcctcttc	120

tccactcttc	tgcttgctgg	cctggcacag	gtaatggcac	cgaagcctcc	tttcgctatg	180
tttgaacagc	gccacgcttt	cctatatatt	tttatagcag	agcctaaggc	acagcctggc	240
acaagtgcgg	gaaacaagtg	tctctncatg	ccagctccaa	gcggaggctc	aacttttcat	300
tgntgggtgn	caaaaggggc	aaanagcccc	tgggaaaaac	caaattttga	cagggga	356

<210> 416
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 416						
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ttttaatcgc	cgctcattaa	aagaaacact	gactgggtc			99

<210> 417
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 417						
ggccagacct	ctgcagaagt	ggtgtcaatc	acttactcct	ttccataagc	tactgcaca	60
caccacttat	gacacagaag	actctaccaa	aggaaatcaa	actacagaac	agcaacaaaa	120
ctcaaaannn	gnncatttgg	cttttgtggt	attaaaaatat	tttctcagca	gac	173

<210> 418
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 418						
caacaaaaaa	tggattaaga	cgccaagagt	ggagagtccc	tgcacaaact	ggattcaaca	60
aggacagaaa	ggaagcccaa	acgctttaca	tattgcctgc	tttacacccc	aggctcaagt	120
ccagaaaagtc	cctgtgatac	aactctccag	tgatttcccc	tgagggtcaa	cctagtaggt	180
gcttaaaaag	tctttgttgt	aaattaataa	attaatccaa	aaccaccaca	ctgctatttc	240
ctcctaccta	tcttctgtgt	cctatcataa	gctgtatcac	ctggggaaaa	aacatttttc	300
agctaaaattt	agaacaggga	gggttttggg	ccataattcc	acttctagta	atagattcta	360
aggaaataat	cagattttaga	taaagatagg	ngtatgataa	tattcaggca	atgggggtttt	420
caatagtgga	aaggtgggat	caacctaatt	tgaaaaatag	cca		463

<210> 419
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 419						
ctctttactg	gtgagaagat	agcaaaagct	gaagcagaca	cagaatccac	aagtggaaaa	60
tacagcagtg	ccattaaagg	agtgggcatg	tggcctatct	ctggccctat	gaagcaaaag	120
gagaggtctg	ctgggagact	tcttgaaact	gctcttcctg	gaaggaggga	aacaaacaaa	180
acaacaacaa	aagaacttta	caagagaaaag	ctttttatcc	cagcccttc	ctactcccat	240
tgaatgcagc	tctgtgagga	cacgatattt	gaagctgcag	tagctgaggt	ggcaaaagat	300
ggcagaacag	aagagcagac	agaatctggg	tcctagatga	cttcattgca	ctgntgcaac	360
tgntctntnc	aganctnttg	gcnnnggggna	aaaaatnaaa	nggcntcntt	gnttaanccc	420
ctggganact	anattntggt	ctttgccact	gaatgcatcc	taatgctgga	actg	474

<210> 420
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 420						
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ngagagcccg	atttgttngc	tttgngcccc	tggantggaa	tcccagnggg	aagatngnna	120
tgagagtcna	ggntcacgga	tgtnctata	aatcagacgt	tgctgncttt	gatggccnna	180

nctnacttct	gnacaggntc	aatnaaaagn	tgatnantac	tntcaaanat	gtgatctncc	240
tgaagttcaa	natcatgcna	ggagatgggg	tcctgttcca	tggagaaggn	ggggggggag	300
accacatcac	cttggaactc	cagaaaagga	aggctcgncc	tacacctcaa	tttggnggnt	360
tgtagttctc	cttgaagagg	tccttcacat	cccttgtaag	ttggaaaaac	attccatgct	420
catgggtagg	aagaatcaat	atccgtgaaa	atggccatac	tgcccaaggt	aatcttg	477

<210> 421
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 421						
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cctctggatt	aaaagggatg	tttggatgaa	gcttcaatct	caagaagagg	caagagaaaa	120
ctaaagaaaa	agattattct	acagaaacaa	cacatcactg	gatgcctctc	accatgcaat	180
cctctgtgca	cttgagaaga	agacaagact	ctcctatfff	tagatgggaa	agctgaggca	240
aaacggatgc	acttgggcaa	aatcatttga	taaaaatgga	agctgaacct	cc	292

<210> 422
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 422						
agagctgact	ttanagggat	caagaatatc	tagntggatg	gaaggagggt	aaactcaaag	60
gacatgtcat	gaattcctga	accacaataa	atctgtga			98

<210> 423
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 423						
aaattccnng	gactaancnt	gancacaact	ccatcggtt	tgaagattct	gtgccttcta	60
nttctgccta	agaataagaa	gaacttaata	caaattggaaa	att		103

<210> 424
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 424						
gctacctctg	ctcactctgc	cctgataaca	ctgaatacag	gaactgtctc	catcaccag	60
aactcccggg	accaagcact	cagcccgaca	cgtcatactt	attaaaaaca	cggagggtcgt	120
gagtggattt	ccacgtattg	ttctagatga	tggagaggcc	tgaagagtga	ggagtgggga	180
agaaatgtca	tcgctgtttt	cacctgcacc	cttgtttcag	agaagtgaat	agtcattcat	240
ctctgggtcaa	caaaatgata	atagtagcag	caacaataat	attctctttt	tttgagcact	300
tcttatgtgc	caagtacttt	atgtatgcat	tatcataaat	aaagcttttc	accattncct	360
taattctttt	atffff					376

<210> 425
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 425						
agaaaagcaa	tgtcttgcag	tttgggtggga	gagagtatgc	agtcaccaac	atggcatgaa	60
tttaggagt	aataaacg					78

<210> 426
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 426
 tgtgagggtg aggacctntc ctggctttca ccttcaaccc tcacctcacg aaggaggaag 60
 gtgcagatac tccataggtg cttaggagtg tnagtgttna gngactgctg caagaaaaga 120
 ggagatacga tctgatcact tagacttcaa atccaaacct tgaaaagtcc caccagtggtg 180
 aggactcttg ccgccttgag agaacacagc tgatgtccgg aagcaatatt gntaacntta 240
 ccaataantc caatcaaacc ccaaaaaaaaaa aaggcccggg ggccattta ncttggantt 300
 accaggctga acttgnttaa aaggggggga 330

<210> 427
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 427
 tgatcctaga ccatccccct tcgcccttgt tctcaactgg ctgggaagat tcaagagagg 60
 cttccaacct gctggcagtg acggatggca gtgcagaggc acacaatggc aagtgcaggc 120
 gcgtcaccag ccttgcagct ggcccttccaa agaaagaacc aaagtcgaag tctgtcctga 180
 cagaggctga ttttaattaag gttatagcaa agggcagaac tgccctgtggg ctgcattctc 240
 tgcagagggc caaagacaat gcattaaaaa acttctcagg aagaaaaaac c 291

<210> 428
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 428
 atttctcatg gaaaaggacg gcctggagcc tttgaacagg gtctgtgtct tcctcctgtg 60
 tcagcaatgg gggaggaaaa cgagcgact acgggggtaaa ggaggtcacc caagatctca 120
 agttcacgag tggcagcctg gattcaagtc cctgcctgcc tccagaacct gagctctgaa 180
 acgctggact aatcagaacc tcttggccct gaaaaatgag gcctattgaa cagagacatt 240
 tgtaagaaaa gggactatta caacctattg taaagtaaca agcaaataaa aatgaaatg 300
 gcc 304

<210> 429
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 429
 gcgattactt taaaacatga aagaaattgc accttttcct taagggaag atggtgctgt 60
 gggctttcct ctctcctgat gagatgatgc aaatggactc catagagaaa cgctgcccgt 120
 gtaacaatgc agttacgcaa cccggtgcat gacacatgaa ttgcagcgca cctgagatcc 180
 tgatgaaatc ctgggagcct ggagctgtca aacatgggtt taaaaaataa agggaatata 240
 cccagccc 248

<210> 430
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 430
 ctgctccgtc ctgtccggag gcttcctgaa ggctgtgtt ctcacctgcc cttagtggga 60
 aaccttctat tcatctgatc tattttcttg tgggggtggg caagggggccc attatgtctc 120
 catctccctt tccaagctcc aaagatnadc tggtatgggg gcttgccatt tgtaatctcc 180
 accaaaaaat tcattattgt tggaaaagct tggattattg gatattgggg gaccttgtgg 240
 ttccttgccc aaaaatccca ttgtccaaaa ccgcccattg gtgggatggg tgggtggcttt 300
 tcccttttgg cctttcttgc catggatttg gaaaaagttt tcccttggag ggccctcccc 360
 aagaaaagcc caaagaaaag aatggcccgg tccattgcct ttccttggtg acaagtcctt 420
 tcaaaaaaaaa cgaaatggtg gtccaaattt aaaaatcttc 460

<210> 431
 <211> 176
 <212> DNA

<213> Homo sapiens

<400> 431

tctcagcgga	tgatcttata	tcttgctaca	tctagaaaaat	ggaagccatc	agactccatc	60
ttctcaccac	tgaggctaca	aaagatatct	acacctgcaa	ccctttccct	ttttttcttc	120
ttcccttttg	ttatgatgta	taaagtgtcc	cttatctgat	aaagagctaa	tcattc	176

<210> 432

<211> 301

<212> DNA

<213> Homo sapiens

<400> 432

gtgcctcggg	atgggaaaact	tcctaagatg	ttgttttggc	tgtaaatcat	gcgccctct	60
cagagcaatg	catttggtg	atttgcccaa	ttgtgcatga	gtacagtcag	catggaaatc	120
cagttcaaac	tgagaagat	cagcacctgt	gagctgaaat	gtgcatgtgt	attttacagg	180
gtggaggata	gtgaagacag	attcaagcga	taatacatca	ggtttaaata	ttctataaat	240
gagattggat	tactgcagct	gataaacatg	gaaatgagta	attaaaacat	gggtgtgtaag	300
g						301

<210> 433

<211> 443

<212> DNA

<213> Homo sapiens

<400> 433

ctctttcaga	tcttcaagaa	tgtttaagca	tacaaagaag	ccccgagacc	acaaggggtga	60
gaactaccat	cctccccgct	ctccggatgc	tcccacagcc	tgggctcccc	agtgcagagc	120
cagcaccaag	caggagatgc	agtacagtgt	gcccaggacc	atggcagcca	tcacatatgc	180
cctccactgg	ggaacaagaa	gtgcgttagg	ctgatgtact	ccactccacc	tccatacgtg	240
tttgtgcagt	gacaccagcc	tggagggcct	tctatcgcca	tctccctcct	ctgtaaatcc	300
taccactct	ttgagtcttg	gncccagggg	ctgntgctct	ctntntctca	aatgatttct	360
gtgttctcat	ttgtctctgc	cttctctggg	aatctttggg	gccacagggt	aatctcctgt	420
gtgtcactcc	tgacttcgga	agc				443

<210> 434

<211> 288

<212> DNA

<213> Homo sapiens

<400> 434

ccgtgcttcc	caccaagggc	tcttgatgg	aggtgtcaag	gtgtgaagac	acagcccacc	60
tagagaggag	agactgctga	cctgctaact	gaaaatataa	gcaagccctg	acatgccaca	120
ggccgtcgga	agagacattt	gcttttgagt	acccagccta	ttctactctc	tgacttatgt	180
agatgggaca	aatgggtgcc	tgggcacact	catctacaca	tcagcctgaa	ttagctagta	240
aatcacaact	gcagtagcta	ataacagcca	taaagccttt	tgaatggt		288

<210> 435

<211> 383

<212> DNA

<213> Homo sapiens

<400> 435

ataacagcac	tatgggaagg	aggaagaatt	taatgaaagc	ttgtacctgc	tggctgaaac	60
taagcagcct	atttataaac	tgctctgaaa	tgccaggagg	caggtaactc	ccaaatgaaa	120
aagcaagcag	gtctctccca	ccatcagtgg	gatggctgag	ctgtctgtgg	tgccctttgca	180
tcttgctgct	tcgctgacct	tgaaggctcg	ccccagcctc	aggcgaccaa	gcctacagcg	240
acctcaagga	gcagctgcct	catcagtgc	tgtaggaggc	tcaggatgga	gaggggtctg	300
atgcccccat	tttgttccct	tcttttgtct	tcttttgact	tccctaggga	aggggaaatg	360
tgctatgaag	ttaaaagagg	aat				383

<210> 436

<211> 251

<212> DNA
<213> Homo sapiens

<400> 436
atagaaaaga agataaacac tcaccgcaga gagttggctc catgtggatc tcaatggctt 60
atggtgaatc acaatttttt catctgactt ctgttctttg ggctctgact cttcatcaga 120
atcaatgtca agggccttct cctttagatt ttgatacagg acagcatttt ctgcaagaaa 180
acaaggccta tgtgtcacta attgttctca atcattatgt tacttgttct aaataaacat 240
catatgtacc c 251

<210> 437
<211> 220
<212> DNA
<213> Homo sapiens

<400> 437
gtggcttgaa atttgaaaca ccatatgaag gttggggagt ctcagggaca gccagctgg 60
ggatctgaag ttgctggaga agattttgcc taggctggcc agcaactggc agacaagagt 120
catcctttca caatgctgga gacagtagac cttcttcagg accacaagca agtcaccatc 180
tctgggtcac agcttctca attaaaaagt tagaagatag 220

<210> 438
<211> 229
<212> DNA
<213> Homo sapiens

<400> 438
gccctggcaa cnactattgc cttttctgct tctttgagtt tgactatcat ggatacttct 60
acaaatattg attttcaaga tcaggaaaaa taccgggacc agaagacaaa tttcagagcc 120
acctaaattg tggagtctaa taaaagattc ctttctccta atgatgtgac catccaaagg 180
atacactctc agtgtaaacg taaaccaga ataaaaatct atcatcacc 229

<210> 439
<211> 309
<212> DNA
<213> Homo sapiens

<400> 439
cagttttctg cacctgcctt ggtatttgac aactccagcc aattttccac ttgcttcctc 60
accaatgctt cttcagcttg aagactaaca tctagaagag tcatgaagtc taaagtcaag 120
aggagtctta tcttctagaa agtttttcaa acatcccaac ctcaaaaagt ttggctaaat 180
ggtgttcttc tacagcccca cacatgcaaa catctttatt gcacttgtgt cattattttt 240
tcttcgtata tgtgnntttc tataagtaca tttatatgaa ggnatatttt gaaataaaga 300
cacttcctc 309

<210> 440
<211> 756
<212> DNA
<213> Homo sapiens

<400> 440
ntcaacaaac ttnaacttnc cgggnnttgaa aggacaaaac ttttttcggg gctttttcng 60
tggggggaaa ncaaacgggt ttnaaataaa ctnttnatat anaccccccn cncctttggg 120
aaatcngggc cattnnacna aaaaatgaan tnggcnccca agggttttcc gggcccgttt 180
ggggtggnaa aaggctnttc cggttttgac tgggggcaca aacaaaaaca aatccggctt 240
gctcttaatg cccgcccgtg gtttcgggt tgtcaagcgc aaagggggcc ccccggtttc 300
ttttttgtca aagancgcac cttgtcccgg tgccttgaa atgaaacttg caaggacgaa 360
gcaagcgccg ggctatcgtg ggcttggcca cgacagggcc gttcctttgc gcaacttgtg 420
ctcgacgttt gccacttgaa ancgggaaag ggactggctt gctattgggg cgaaatgcc 480
ggggcaanga tctcctgtca tctcaccttt gctcctggcc gagaaaagna tncatcatgg 540
cttgatgcca atggcgcgcg ggtgnatacc ctttgatncc ggttaccttg gccattcann 600
caccacaacc aaacanttgc attcgaaccg aacacgtacc tcggaatgaa acccggcntt 660
gtccaattca agaagatnct ggacnaaaaa caatnaaggg cttcgcgccc acccccaact 720

tgttcgccaa ggcttnaaag gggcgcatthg ccccca

756

<210> 441
<211> 599
<212> DNA
<213> Homo sapiens

<400> 441
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gtgggtaatg ccataaacct ttggccagga cataagcagt agaagcagcc tgcattgtgtc 120
atccatgaga agggccccgt gtgactgcag aggcaggaaa ccagggtgtca gtggagacaa 180
aggagtccctc ggcgcgtgaa atgggacttg gagcagggcc cgacgggagg ggacagagga 240
tggtctccag ccagacagtc ctaactcggg gaattcagtg accacagcat ccccggtga 300
cacggctgtg aggccttcag agcatcacca ttcagtcacc cctttttaca ctggggaaac 360
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nccctgcatt ttgggagcag tgcttcttca actacctaan gcaaangacc catttggtt 480
tcaacctctt atcttggttca nactgatagg ttaataagaa acaataaaaa tgatttgccg 540
ggcaaggngg ntcacacctg taatnccacc ttttggagnt gacccggcag ataacctga 599

<210> 442
<211> 512
<212> DNA
<213> Homo sapiens

<400> 442
caagaacttg agacggggat cttccttttg taccggcccc catngnttaa nncnngnatt 60
ccnaccnttt tggagtgccg aggcgggncg ggntcacgaa ggccaggagt tcaagaccag 120
cctggcctat atggttgatc cttctagtct cgtggcagaa cttttagtag accaagcgag 180
aggggcagcg tgttctggac ctcattcctc acacagggtt cacctccgga tgagtccag 240
gccttagccg gtggcccgag cccgggaatg ccaccccggt tctgtaccct gccagggcca 300
gctgacaggg tgtattgggg cacacacctg cagcatccag ggactccaa ggagagggag 360
gtacttttga ggagaagtct aaaagtctaa gtccaccacc tgaacttggt gggggaangg 420
cttctatacc aagagggctc cccgcctgtt cttaaaagcc atttaagcag aatgacgtgg 480
ctcttcaata aagtaaaaaat gggtcattgt gg 512

<210> 443
<211> 223
<212> DNA
<213> Homo sapiens

<400> 443
gattgtctcc tttgggagac accagccacc attccatgag ggactctctg gagaggttca 60
aatggaaaga atctgaggtt tccactaaaa gccaatacta tcttgccagc catgtgagtg 120
agtcaccttg caaatggatc ctccagccca tcagggtctac aaataactga agcctcaagc 180
tgacaacctg actgtaattc cataaagtca taattgacca act 223

<210> 444
<211> 618
<212> DNA
<213> Homo sapiens

<400> 444
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ccgcctccca agtagctgga actacagatt ttaacaatca gactcaggtc aacagtgggtt 120
gagataatgg ccataattg gctccagaat gcaaactgtg catttctcca ggattccatt 180
agtcagaaat gacaaggatg ctccctgccc ccacctccct cacaagatgg ctccccgggg 240
cttctcttga gctctgtccc tgtcctgcac ctccctgttg ggacggctga gctgctggtc 300
ctattggagc agcatgaaca ccttgctggg tgttcatgag ggagaaaagc tcatgaagga 360
atgaatcaga gttggatgct atgcatataa atatttaggc ctgtaagggc ttctctttgg 420
tgatctgatt ccaccacata ccaggtaacct cagcataatt caaacattcc tgcaggaaaag 480
ggtcataatc tctgctctat taaagtccaa tttatccttt aaatgaaatc tactcacagt 540
cctgcagatg aagactactt nctgcgatg accacagcgg ctaagangct gaggcaggag 600
accgcttgac ccagaagg 618

<210> 445
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 445
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 tgttgagaac atagcaaaaag cagctcttct tgacaaaaat ggaaagaaac atcctcaagt 120
 ttcagtgtc aatatatttt ccgatcaaga ctacaagaga tcagtcatta caatagcaac 180
 ttctgttgat aagttgggtg acaagcgcaa ccaagcctaa aggcaagtgc tgttgcgagg 240
 tcgacatcca ggaaccagag gagggcagag caatccacag aatggatctg gggtgactca 300
 tggaggaaaa ccaacacaca gtaccattta attcttttta aaaagatgga aaattatacc 360
 atacccngaa ttactaaatt cttaaaagag ggggtttntn gcattccatt tgnaaaanaa 420
 ngtttcccca tgttctttta aaaattcatt ttaaaccac 459

<210> 446
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 446
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 acaccactgg ttttcctggg tctccagctt gtagatgact aatcatgaga cttcacagcc 120
 tccataatcg gaatgaaaac aatggctagt cctggattgg tcatctttaa ctttgatgag 180
 atgctgaaaa tgaaagccag gactgagggg agattgaagg agtctgaacc tctgacaaca 240
 tggagtacca taccaaccct ggactatcta cctccagact tttacatgag taagaaacac 300
 ctagtttgnt caaaacagta ttaatttgga tctttgntac ttgcagttaa acctaatact 360
 gaaataacctg cattctcttg aagtaaattg ctttcaaaaa cct 403

<210> 447
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 447
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 ttngaantnt gcctgtccan atttgngggc cagagattta gacctcatc ctcaaggcct 120
 tattcctcac aaaagccata tgtaaaactg gctgctccac aagggtctggg atcctgtgtg 180
 tctcattccc cactgtgtca tcaagtgtcc agcacaaaac agagctcagc aaatgcttgt 240
 cgaataaatg aatgaaaacg tgctcagcac agggaggtta aggcaccagg accccatgga 300
 gagagagtac atgctgagtt ggctacatct gtgccaaact gtgaaagatg acaatggaga 360
 tattttctctc tacagtttct gaagatggac ccagcccaac acttctttcc atgcctggct 420
 gtttttaact gcaggcacag cactagctgg tttgtctcaa agattatggg tcaaaaagaga 480
 actgagagac aggcaagtat cccncggct ggacatactt tacttgccgg caatacatag 540
 tgctcttctt gcctgacaat tcgaacaagc agcttgactc tgtatttgag gccccactcc 600
 cttttggcta actagaccan actaatttac tcatt 635

<210> 448
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 448
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 gccccctgca caaaaaaaga a 81

<210> 449
 <211> 616
 <212> DNA
 <213> Homo sapiens

<400> 449
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tttaccgtcg	ccactgaatt	tggccacct	ccccctcta	ctgtgcttct	gcgctacaac	180
tgteccctcg	tttattcaaa	catggagttt	tctttcctat	ttatttttgt	ttgctggcat	240
ttttagagat	gagactgcag	aagaactttc	ttactatgcc	attttaaaca	cagctatctc	300
atgatttttg	taaaatccag	atataattgn	tgntttttt	tattcttgcg	taaagtgtga	360
aatcttgcac	accttcacgg	nattttgtaa	tcagccccc	ctatttcac	ttcatcttct	420
gctgcttnt	cccacaactt	ttgtttggct	acaagatgat	atcataccaa	atcctcagtg	480
gcaaaatgtg	tttctnctga	attcataaca	taaaaaaanc	cattaaaagg	ggggtangca	540
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atcaaagggc	aacaaa					616

<210> 450
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 450						
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gaaatccatg	cacgttttcc	tgcaaacgcg	cgcgcgcaca	cgtacttcgg	cgggcgcccc	180
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cagggccctg	tgactctacg	caggttccag	aacacgcctt	ctacatttgt	tactgaaccg	300
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tggaacaaaa	gcatggaang	naaagagttg	atttcagaag	gaactgngaa	gaagcnaaac	420
aatngnccca	gtgataatga	gtagnaccta	tgngggactc	ttnancttaa	angantggca	480
cgaaagatta	nctttnttat	tgctctngac	aaaaaaaantn	gnntttnttt	tgngngggaat	540
ttgggnatct	tcttgggact	tnttttttct	cgatggcttc	aaatcctggg	ngacccttnt	600
tgnggcacatg	ctcaatt					617

<210> 451
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 451						
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gccaagatgc	ccagtgcagt	accagcaaga	tggccaacgc	ctagagctcc	cttgttgatc	120
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<210> 452
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 452						
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gatgcagctg	gcttccactga	acataatttg	ctattagcat	cttcaggaac	acacactgct	180
ggataaattc	ccttccagga	gaggccacaa	ctgaccacta	catggaagag	acagctgctt	240
cttcactagc	caatgaggca	tccccaccca	agtgtgacca	aatgcctctg	aggctcagcc	300
cctcactcca	gaatgcccc	aggtacctga	ggatgctcca	gatttggggg	ctgcaccgtc	360
tgtggtttct	ctacattaaa	cagtattttt	gtggagtcag	gggtgagggg	gtatgggtta	420
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<210> 453
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 453						
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ctctcactga	ccaactaagt	gactgggtac	aaattaaaga	ggagaatttg	aatgtctggc	120

tgtctgggaa	ataaaaggtc	agagagttga	ttagcaccat	caagcccca	taccagaat	180
catggagaga	aacagtggct	cggacctcta	agcggcacct	ccaatgactt	tcttgcacct	240
tgggggattc	cctcgcacca	ttttttatcc	cattgcccct	tctgtgccag	tctcttccctc	300
tgcgaggaag	tggtttgaga	accctaaaaa	cgaatccaag	gaatcctttt	tgtttggggc	360
agttttctgc	aggcaacatc	tgtgtgcac	ttagttgtca	caggtctggg	caaagttaga	420
gatgaataaa	ttttaaaaa	aaacaactac	aaaaatacac			460

<210> 454
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 454						
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tccagccacc	agcctcagca	gaggtcccag	cccacagtca	gcaacaactc	cagacacgtg	120
agtggcagca	agatgatgcc	agccgcagtt	accatctgat	tacaacttca	taagaaaccc	180
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aaattattgt	tgttttgagt	c				261

<210> 455
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 455						
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tggcaagcaa	atgtttccgc	tattagctct	cagcaacaga	gactcattta	tggtcacctt	240
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ctgttagcag	agtggaggag	aaaatacaca	gcacaaacaa	cgtgaaaaaa	tagttactct	420
attcattaaa	agctgtaact	tccagattgg	acttgagaag	cattaaagca	acagaggacc	480
ctcatctact	atctgtattc	aagcatgctc	atgaaaaaca	cgctgctcaa	ctggacttan	540
aaggaacccg	ngcatnacan	gcattttctg	acagaatctc	gtgggcctgg	t	591

<210> 456
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 456						
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ggcctgagtc	ccagctagca	aacagcaaag	ccatgatttg	gacagaagcc	tgtgtgactc	120
caaaacccac	gctcttttca	ctgtgatgca	cggctaatac	tgagctgagt	gatgggaagg	180
gagctctctt	tgngggattt	tcangatacc	ttcaaagatc	angntggntc	tgtttgcaga	240
cccaactttg	caaaggacaa	gcntgtgtct	tnactcacac	tanctcggcn	caggttctga	300
gcccttttgc	aatnggaagt	tatttaacct	gatcacanca	aaatgaaaga	ttatttgaaa	360
accngggatg	tgaaattctt	ggaacccaaa	gaaaattatc	ccatgnttct	ccaagnacct	420
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<210> 457
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 457						
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tgatgatgct	ngtggctatg	agaca				145

<210> 458
 <211> 434

<212> DNA
<213> Homo sapiens

<400> 458
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gagtatagtt tccagaatcc ccgcattttca gtgttcccaa agggctgaat tcttgtcaat 180
agaatgtaag tggaaatggg ctatgtcact ttctgtctga agagggttaa aagaagggtga 240
actctcttca tctgcagttc ataagataga aggatcccgg gtccctgaat gacctcatgg 300
aaggccatct aacaggaaca cccacattgg actgtgatat gggcaagaaa taaactttaa 360
ttgcattggg tcagtgaaga gttttatctg ttacggcagt tacttctact ttaataaata 420
caatgcatta tctt 434

<210> 459
<211> 493
<212> DNA
<213> Homo sapiens

<400> 459
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cacttatcaa gcagaagaat cacagaagaa tacaataaat ggtctagaaa ctgcagtgat 180
gatttactaa aggaagagcg tggttcccg agcaatggcc ccactcctcga gcccgagac 240
ccactgccct aaatgaggac agacatttgt ttttgcactc aaaaaagtgt ccttgtggct 300
cgccatgccc cctaattctt ccccaaata aactcgagac cttagcgggc acgcactcaa 360
gtggctgaac atggagacca gcagaacagt gccggcgga tgacatggcc gagaaagaga 420
gaaagangag ggacattttg gacccaagg gaaatttggg ccgggggtggg tngaaaaaaa 480
atttggccct tga 493

<210> 460
<211> 404
<212> DNA
<213> Homo sapiens

<400> 460
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atcctgttca gcaccacaga cagctccctc gcaaattgcca tcctttcaaa aggtaccata 120
cagaagacag ctactgagat tctgcagatt ttctaaaagt gacatttcta ttacacattt 180
cttcttttca gcaactgtcat atgtaattgg atgcattatt gcgttgtgta cattttgtga 240
taccatcatca atctgttaca ctacccatt aatccattca ttcaataaaa tacatttgta 300
tgtgccagat actcttagac aagtcactta cccnttagc ttcatcttct taccctaaac 360
ttngggatca ttatacatgg ttgataacta aggaaaggat tttg 404

<210> 461
<211> 583
<212> DNA
<213> Homo sapiens

<400> 461
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cttcaacnaa ccctttccac tggcccgaac ttnttgtgca ttncacaag cttggcgacg 120
gggtggatgc cttgcctttg gatgggaaga atccttgcaa gtcaagacta cattccttgg 180
caccaagggtg gccaaagccc gtaccgaact tggcttggaa gcttaccttg ggcaccaaga 240
aagaaatgga cctttcttct tattgaacaa tttcttcaaa cttgggcca ngggttcact 300
ttcaaacctt tcttaaaanc ttggnntncc aagcccacac caagtcaagg ggggaagtctt 360
ccttgggtatt ggaaangnac ttggggtnng ttttgccttg aaaccgggct tggaaattgg 420
aangggcccg gggaaaccgc cacccccacn ttaccaacc ggtngggng gaaaattggg 480
gcattttacn aaccgnaaac aaagtcccc ttggcattgg aaattcccct tnttttttgg 540
ggggaaanaa agtnccccgg aacnttgggc aagaaaccgg aac 583

<210> 462
<211> 339
<212> DNA

<213> Homo sapiens

<400> 462

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gcacatgttg	cctgtctccc	ggtgacagaa	gataacagag	gactaagagc	gcacatatatc	120
ctcaagagcc	aataggctgc	cacaggaggg	taaacaactc	cacccagcac	tgctccaggc	180
cggcacaacc	atcaactttt	catgagcggg	cccactggct	gctgtctgga	atgaagaatc	240
ctatgttgct	ttccagcctc	acatttcccc	tttgtgtact	acaaaatagg	agctgtttca	300
ttagaaacat	aaaacaatga	ggaagaagct	gttattgac			339

<210> 463

<211> 662

<212> DNA

<213> Homo sapiens

<400> 463

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aanatgcttc	aanggagggg	gccaaaggaa	gtggctnttg	cttggggggc	gccccacaac	120
ccttgctccc	ccgatgtcca	ccgtggatc	cacatcccgc	cagccgaaga	cctcccgtgc	180
cttggaccat	tgctgtcttg	ggtcccttgt	tcaaacaccc	ttctttatgg	aaacaccttg	240
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gacaagggga	aagaaatggg	gtttgggcgg	aaacgttgga	acccgggggg	ccccaaaggc	360
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gnaattaaan	gggannnggc	ctttcntttt	ntaangggcc	caanggaaag	cntnttttggc	600
ccccggnngg	aaccttggtt	tttnccacc	gtaacctntt	tatttttttt	ccatttttcc	660
tt						662

<210> 464

<211> 459

<212> DNA

<213> Homo sapiens

<400> 464

ataaaggaat	actagacatc	aaaangttta	ttacggngan	ggacatatag	tcaccttcc	60
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gcaaacatac	tcatttgtct	acaagcaaa	agcatttttg	aaagaacact	cccttggtca	180
aattttgggtg	aactgggtgt	ggagacaaaa	gtgactccat	cttggatgct	aatctgccat	240
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tatactgtct	gtaaaccctg	ttcttaggcc	aagacaccct	tgatgttatc	aaatcctgcc	360
cttaggctat	gacacacata	acattctttc	ctttttcttg	anaggggggg	ttcaattggc	420
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<210> 465

<211> 476

<212> DNA

<213> Homo sapiens

<400> 465

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aatgacagtt	atctttacct	atcacttcaa	gttattttctg	tcaagaggta	atgacagtta	120
ctgaaaaaag	aagttctgga	cctttttcat	ttgcaaactt	atttttacaa	atggcttctt	180
ttcacataaa	ggatttgtga	tggtttaatt	ttgtgtgtca	acctggctgg	gccatagtgc	240
ccagatattg	agtatatcat	tgttctggaa	gtttctatga	aggtgatttt	tgatgaaat	300
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cccatcantt	gaaggaccgg	gccaaaatga	aaactgancc	ctttgaggaa	naaattctcc	420
aancanatgg	cctttggtct	gtttctctgg	agaactngna	ctaatacagg	ttcttc	476

<210> 466

<211> 218

<212> DNA

<213> Homo sapiens

<400> 466	
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cctcanaagg ccagccaccc tcaanggagc aaccattgg ncccagactt ntgcgacgga	120
tgccagaaaa actttnaatt ggaaggaagg cttgaaggtc aacaatgggg naaanaagtt	180
ttttaaaaaa ataaaaaang gggagcctaa tattgtgg	218

<210> 467
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 467	
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tgcttgagcc caagaagtcc aa	82

<210> 468
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 468	
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actggacaac atagtaaacc tcatccctac	90

<210> 469
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 469	
ataataagat ccttgaaagc aggcctgaac caccattgta caataaacat ttcctgcatg	60
aataaattaa tgaaagaatg aataataaaa caagatctct tcccagagaa agtttaaagc	120
ctctgaagac agcagacatc catttgaata accacataac aaagtgaatc atttatattg	180
caaaagacag agaaagcatt atacttgagg gcagaggagg gagaaagcat attactcaaa	240
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<210> 470
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 <212> DNA
 <213> Homo sapiens

<400> 470	
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aggaagcata accagagtga atcgattcct tgatcctgct ctgccaaaaa attaaagagg	120
agcactcctg gggtttttaa cccagataag acttcagcca cagccgtatt tcccatgttc	180
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gagttctgcc ggttcatctg gcttt	265

<210> 471
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 471	
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atctttttct ttcattgctg tccaacaaga gagcacattg ttagtgtgct tgaattccaa	180
caaaagaagg catagaatga atcttggttg ttccttttta cttgctaaat atgtactgaa	240
tgaataaatg gtgcattata catctatt	268

<210> 472
 <211> 456
 <212> DNA

<213> Homo sapiens

<400> 472

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tacctccact	gtcttacact	gtgaagagcg	ggacaaaccg	atgagtgaca	gactactgaa	120
tcaatccccct	tttaagctgc	ttaagttcca	gatttagttt	taaagagaaa	aaaaattgtc	180
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gacacgtata	cactatttta	aactgccact	gtgggttgat	gtcactcccc	cattttataa	300
acatggagac	tttggttaact	ttctaacagt	acttggccag	tcagccaggg	ctgtgctctt	360
cagagggcga	atggggncctt	tatactacca	cctaaaggcn	ggtnggatga	ccatccctat	420
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<210> 473

<211> 170

<212> DNA

<213> Homo sapiens

<400> 473

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ggccttggag	atagagccca	gctttttcat	tgcgcaggtg	gaaaactgag	gccagatgcc	120
gtgggacaga	tgacagagaat	gataaagtca	ccaaatgacg	gtgattattg		170

<210> 474

<211> 467

<212> DNA

<213> Homo sapiens

<400> 474

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<210> 475

<211> 440

<212> DNA

<213> Homo sapiens

<400> 475

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gacttacagg	aacggtaaag	ccctgtgatg	aatgtcctgt	tttttcctca	ttcaaaagat	180
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<210> 476

<211> 438

<212> DNA

<213> Homo sapiens

<400> 476

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gcagtcactg	gcccagacac	agcgctggac	acaacacccc	ccgcttccca	cagctgctga	180
ttcccagagga	ctgccggacg	cacagctcca	taacaagatt	ttgggaaaca	aagtcaagag	240
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gtgtgcatcc tactctgctc acagtggagg catcttttga agaagtgact tattttctgg      360
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<210> 477
<211> 193
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<213> Homo sapiens

<400> 477
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atctctactg aac                                          193

<210> 478
<211> 345
<212> DNA
<213> Homo sapiens

<400> 478
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tcttgcatgc cagcacagac caatggcaat ggatgtctga atcactgggt taacaaggaa      180
aagaatgctg tgcttaagta gcaatgtctg ctctgagcat ggcaggagaa attattggca      240
cctctgtcag atatttgata tctatttctt aaatagaata catacatatt ctaagaacaa      300
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<210> 479
<211> 240
<212> DNA
<213> Homo sapiens

<400> 479
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acctactgnn ggatccgntt ganaacacnn taatttnaga anacagagtt ttgaacatca      120
ctgaccttta ccacgggtat aaccnactct ttacctcca aggcctcgctc atttgtactt      180
attttttctc attgtctctc aaatttancc aactggnatg aataaactgg aagtaaacag      240

<210> 480
<211> 504
<212> DNA
<213> Homo sapiens

<400> 480
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ctctncgttt natctccctc tactctnact ctgctgctac caagtcagac ttnttttcan      180
aatgccctgt atcattttta tgactggagt gtgactttgt tctcagcaca atgagtaaca      240
aagccaaaac actggagaat acgtttacgt attnaagaaa acctcagaca aggaagaatg      300
ctttcataat acagnacatt anaatcagac gaagcctnga agggcanaat naccgatcct      360
gaaaaatcan agtgtntctac agaagaagac gacagcgttt gagcacattt gttgaagcag      420
cctcctntcc cttatgggnc gataatccca caccgnttta ccattgctctc tggccttccc      480
agaacatcaa taaaaactgc atcc                                          504

<210> 481
<211> 274
<212> DNA
<213> Homo sapiens

<400> 481
taactggcag aacccacacc ttcaaaacag agactttggc tgcattctggc ctctgctct      60
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gaatttcaga agacagagtt tgaacatcac tgacctttac catcggtata accaactctt	180
tacctcccaa ggctcgctca tttgtactta ttttttctca tgtctctcaa atttagccaa	240
ctggtatgaa taaactggaa gtaaacagtt ctac	274

<210> 482
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 482	
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cagcagcatg gaaacctcag actgtaaggc ccaagactgg cacttgttct ctcccaactc	180
ttttctttct ctctctcctt tcttttatcc cttaattcct tcttgcttcc ttccaagatt	240
tatactatta ccttttaggc aaaacatcct gaacatgtaa aataaactaa ttaaaatcg	299

<210> 483
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 483	
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acattattca agtaattaac tgaagccttg agcgtacaga tgatctccga aaggacgcca	120
cagaggggag aaggctggac ttgcagaaca cattgctgtt gaagaagtga caggaagatt	180
cagagctcac aaagaagaca ggctcagacgt ggagaggcga gccagcagaa caccctcaga	240
aatactgctc tcctgttcgg atggccagtt ttcatatattt agaatatattt tcaaaaagca	300
cttcaatata atgaagttcc ctcagttata acaaggccat ttttcatagc tatttgtgta	360
gatagtccaa aagtgtggtg tgttatcaga aaggg	395

<210> 484
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 484	
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agatgccctg cggctatgga ggagggccgt ccaagctcac agttcctaga agtttgtgtc	120
accatttcac atttagcacc agaatccagc cttggcagat tcaggggaagg aagccaagga	180
cacagctggt ggtgaagaca gaaactcctg tgtgacaact gcccctagg acacagttta	240
gggtcaatta acatttcctg aacaacttgc aaatggaaag agccatcccc aatgaagact	300
gaaaaatgag aggctcaact catctattat gacttgaacc caagtctatc tgtgtttgca	360
aaggctgtgc tgttgacact agacctccac ccagaaacat gttttggggc tgacatttta	420
atagaaacat agagaggaaa	440

<210> 485
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 485	
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ccttgtgttt gtttctctgc ccagatgaga aacacccatc acctctgact ttccaaggag	120
caaatcacgc tccgtgccgg gctcccccaa caacaccact ccctcttccc ttgcgatctc	180
caggntcct ttgacactt	199

<210> 486
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 486	
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gggccaccga	tcctaagcca	aagcctcccc	aacctctggg	ctcagaagca	ggtgtaatcc	180
caactccagc	agggaattcc	agaggtgaag	gtcacgggag	catctttaat	cttcggttcc	240
cagtagagaa	gatacccaaa	gagcagggag	caggagccag	ctccaggcta	tacatttggt	300
tattcatcaa	tcattcattt	atgcattaat	cattcattcc	ccccacccaa	aaaaaaaaang	360
gccagnngng	ccaattcagn	tngnacttaa	ccaggctgaa	nttgntnaaa	ngggggggac	420
cccaa						426

<210> 487
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 487						
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nggttcataa	agggtggana	cncccnttgg	gcgccctttt	tggggggggt	tnaaaaaaga	120
naaaatcctc	ttcntggggc	ccttaaaaanc	ccctcccttt	ggaagataag	gcnnnggggn	180
aacataacan	ggggccgggg	gcccccccca	ctttatttgt	ccccaagcct	taaaattttt	240
ttttnggtaa	tttttttttna	aagnaaccaa	anaanggggg	gggggttttc	cacccaatgg	300
gtttgggncc	caaanaactn	gggggtcctt	ttggaaactt	cccctgggga	nccctcaagg	360
gnnggaaccc	caactttggc	ccttaaaagcc	cttnccccaa	aaaggtggct	tgggggggaat	420
tggcaagggt	ggttggaag	tcaaccacaca	cccttggaac	acaaggtact	aaataatttt	480
ggncctttaa	taaataagtn	aaaaactggg	atcatatgaa	aatttaatat	aag	533

<210> 488
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 488						
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gcttgccctt	ggaaangan	cagggcaggg	gaaaagcttc	ttgggangga	aaacccttgc	120
cgtcaagnaa	ggcttgggan	ggaaacttga	aagaaagctt	gttgttcttt	ccgaagaaag	180
cttgaagctn	accggggggc	aaagcttgcc	aagtaagnaa	tatccccttg	ggatccaggg	240
gggggaaggg	aaccacccat	ttgttcggga	ggaaagaata	aggggaaacc	aagcctttta	300
aacttgggga	ttgaaaccaa	gaaaaaatcc	ttgccnnaaa	ggggaagaag	ggaaagcttg	360
aagcttgggg	aaccgccttg	ggaaccgaag	aagttttgcc	attttaagtt	cccaagattt	420
accggggagg	gnccggggcg	ccggggctta	nncaagtggg	acccccaccg	ggt	473

<210> 489
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 489						
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tttttctttt	ttccttttgg	ttttaaacct	tttgccccc	ccgggggttt	tcccaanana	180
acagnngngc	tttcaanccc	cgaanggnaa	tggnaatccn	naagtttcca	acaccacntt	240
gacttttccc	angggaaact	caaaagccca	agaagaangg	ggcccaangg	gacccaagct	300
tcgagggggac	accacaagcc	caggggggctt	cttttccttc	cgaaaacccc	caaggggact	360
tgggactttg	caagggggct	tggggacaag	aaggttgggg	ggttgggggg	gggaaaaagc	420
aaattgcctt	tgtcaaaccc	acgttggggg	ggaagcccca	ctcccatttc	ccaagggatg	480
attaaaagtt	tgaaggggaa	acacctcctt	gc			512

<210> 490
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 490						
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tgtntgcttt	ccggggccct	ntggngggng	gggtntttgc	caanncnttt	ttggaaaagg	120

gccnaancc	ccaacccaag	ggggaaccn	aaanacgttt	ttccagnggc	nttnggaata	180
aancttgaaa	gggaagtttt	gggaaaacac	acttggnan	ggaacaaag	gcttcgggga	240
aagcntcaat	cagccccgca	ttcaaaacaa	gaagtggaaa	cttttcttgc	caaagaatgc	300
cggggaagtt	gggtttttca	agaagacatt	ttcaagaaaa	agtggaaagg	ggaagaagac	360
tcaaaggatt	tgactcatga	agggaccttg	aaagggggtg	ggacatccca	aggaaaagg	420
gcctcttgaa	aatttccac	accccaagcc	gccttggtgc	ttgagggact	ccctccattg	480
ttgggccccca	gggtggccac	caaataaaaa	aatcctac			518

<210> 491
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 491						
acccatgcag	gagacctctc	caggtacaca	tatttcctgc	tactgaatgg	cttagactgg	60
gatttgcaag	gaactacgaa	gtccaagacc	tttgcccttc	ttttagaaga	aggcaccagc	120
tggttctcca	atgttgaagg	tcttctccag	agatgaactc	tgaaagccac	atgttgagat	180
ggccccatta	caggatggag	agcacctgaa	cccccaagtt	atggactaga	agaagacagt	240
tgccctggaa	aatcatctga	cccacattgg	actttatgtg	aggggggaaat	aaacctttat	300
tatgttaagc	tacacaataa	taaataacaa	caataattgt	gttt		344

<210> 492
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 492						
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cngggnaaaa	tgngnggaa	aagtcntgg	cacntgnaat	ggccccctt	tgtanggaaa	120
aaannaaccc	caggggttcn	tgaggattcc	ncgaaccgtg	gggnncnttg	angggcncca	180
angggaagaa	aaaaccnccg	tggaaccctt	taattaaagt	tttngggggg	tggaagaaga	240
agaaaaataa	aaaccttaaa	gtattgttaa	agcttcttgt	catttcaaag	gggtaaatac	300
caagttgtgg	gaaagggcaa	gaaaaaaaat	ggaccactc	tccccttgga	tatccattaa	360
aaagatgtgc	ccaaaatcct	c				381

<210> 493
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 493						
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tnccntgaaa	aacnanggn	tttttngaca	ttaaagnnc	ttttaaggag	gtatgccccaa	120
aaaaaggnaa	ncccaacccc	ttngccaaa	aatnaaaacn	tcaaagangg	ggcnggcnaa	180
antcngggaa	ncntttnccc	caggggggaa	gaagaatgaa	cnctttttta	ntggggcttt	240
ncagaaaaag	gtgnaagggt	ccacttggtc	ttttggcttg	gnctttggga	atcaaaggaa	300
ccnagaaaaa	ggaaaattan	ttggataccc	aatgggggag	ccttggaaga	atgccatttt	360
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tgcttncttg	aagaattncc	attattaata	aaaagaaaa			639

<210> 494
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 494						
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ttcagacctt	ttcctcccaa	cttctggaga	ggngagtgct	ctggagactg	agtttaataat	120
tgatcacgtc	tacatgatga	aacctctaag	tgacaaggat	cagagagctt	ccaagttggt	180
gaatacatcc	atgtgcaggg	agggtggcct	accctaacc	catcggaacag	gagcaccat	240

gttcaggaat	cttctggacc	tcaccttatg	tattaatctc	tctttatctg	gctgttcac	300
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<210> 495
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 495						
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aaaaatggaa	ctgggaatgg	gngccgcttn	ctttttttta	agntttcaaa	aaatgaccat	120
ttnccaaaaa	caaagcccgg	gggccttgga	ncccccgggc	cttgggtttt	aaaaaatttt	180
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atcggaaata	ttgaacaaga	acacccggaa	aaaatcaacg	aacttcaagc	ccccttccaa	360
gccaccttct	tgccttggtt	gccccgcccc	aatcacaagc	ccgggaatgg	caagcttgaa	420
aaagaattcc	cttggggggc	cttgggntcc	caaaccggcc	cacttggtgg	actcttgaa	480
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<210> 496
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 496						
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<210> 497
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 497						
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taattaagcc	ttcatattcc	tgaggaggag	ctactaagac	accctaccaa	gtcctgggct	180
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tgtattttta	aaatgatttc	tcaacaagac	cagccggcca	ctcaaccact	tcagtacctc	300
gtttctggat	aaagaccctg	agcaggggat	ttgcactaga	aaccgccttg	cagaagttgt	360
catcattgtt	gatggggcagc	aggtctccgt	gcacatctgc	atagccaata	gttacatcac	420
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<210> 498
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 498						
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nccataatcc	ccacatgtgg	ggggaggaag	cctttaggag	gtgatttaat	catgggggtgg	360
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<210> 499
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 499						
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tcagagcctc	aagtttcttc	attaataaag	tggagataat	aatagaacac	acctt	295

<210> 500
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 500						
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g						181

<210> 501
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 501						
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tttgggtccc	gtctttttaca	agggntgntg	agttacttca	ccaatcctgg	aatgctgatc	180
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ttcanaaaact	gacgaaatgc	aggatcgttt	tccttacaca	cacaaatgcc	atggcaacag	300
caacttcgtg	acaacagcaa	agaaagccag	actgggaatt	tgccaaccga	gagtgggtgac	360
catctgtgag	ggcccaaac	cttcaaatgt	tgccccgttc	taaagtgtct	atcttaacct	420
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<210> 502
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 502						
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tggttcaagc	ncccaaaaag	naaaanaaga	ccctggngtc	nntttggggg	aggtggggng	360
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<210> 503
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 <212> DNA
 <213> Homo sapiens

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tgcccccttt nttngggggc cttggacccc ttattttggc cccttgccca ttgcttgggc      180
ccttg                                             185

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